2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
MULTI-UNIT ASH POND SYSTEM
EAGLE VALLEY GENERATING STATION

AME PROJECT NUMBER: JZ2290.380
PREPARED FOR:

Mr. Tim Haley
Associate General Counsel
AES US Services, LLC
One Monument Circle, Suite 701A
Indianapolis, Indiana 46204-2901

PREPARED BY:

August Mack Environmental, Inc.
1302 North Meridian Street, Suite 300
Indianapolis, Indiana 46202

ISSUE DATE:

January 30, 2026

August Mack
ENVIRONMENTAL

August Mack
ENVIRONMENTAL
1302 North Meridian Street, Suite 300 ▪ Indianapolis, IN 46202
augustmack.com

January 30, 2026

Mr. Tim Haley
Associate General Counsel
AES US Services, LLC
One Monument Circle, Suite 701A
Indianapolis, Indiana 46204-2901

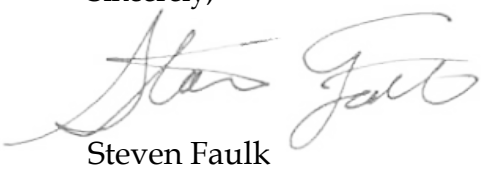
Re: 2025 CCR Annual Groundwater Monitoring and Corrective Action Report
Indianapolis Power & Light Company d/b/a AES Indiana
Eagle Valley Generating Station – Multi-Unit Ash Pond System
Martinsville, Indiana
August Mack Project Number JZ2371.380

Dear Mr. Haley:

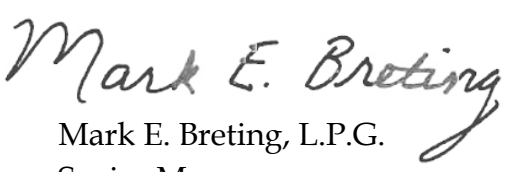
August Mack Environmental, Inc. (August Mack), on behalf of Indianapolis Power & Light Company d/b/a AES Indiana (AESI), has prepared this 2025 CCR Annual Groundwater Monitoring and Corrective Action Report for the Multi-Unit Ash Pond System (APS) at the AESI Eagle Valley Generating Station (EVGS) in Martinsville, Morgan County, Indiana. This report has been prepared to comply with reporting requirements described in the United States Environmental Protection Agency's (U.S. EPA) Coal Combustion Residuals (CCR) Rule § 257.90(e). This annual report documents the status of the groundwater monitoring and corrective action program for the APS and includes information required by § 257.90(e)(1) through § 257.90(e)(6).

We appreciate the opportunity to assist with AESI's CCR Rule groundwater monitoring program at the EVGS. We look forward to the opportunity of continuing to work with you on this project. Please call one of the undersigned at 317.916.8000 if you have any questions regarding this report.

Sincerely,



Steven Faulk
Project Manager



Mark E. Breting, L.P.G.
Senior Manager

Copies: Ms. Pilar Cuadra, AES US Services, LLC
Mr. Nicholas Williams, AES US Services, LLC

**2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
MULTI-UNIT ASH POND SYSTEM
EAGLE VALLEY GENERATING STATION
4040 BLUE BLUFF ROAD
MARTINSVILLE, INDIANA 46151
AUGUST MACK PROJECT NUMBER JZ2371.380**

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 OVERVIEW OF THE CURRENT STATUS OF THE APS 1

2.1 Summary of Reporting Requirements 3

2.2 Key Actions Completed During Reporting Period 3

3.0 SATISFACTION OF REPORTING REQUIREMENTS BY STATUTE 4

3.1 Depiction of CCR Unit and Monitoring Wells 4

3.2 Summary of all Installed/Decommissioned Monitoring Wells 5

3.3 Summary of Samples Collected 5

3.4 Discussion of Monitoring Program Transitions 6

3.5 Other Information 6

3.6 Overview of the Current Status of the GWMCA Program for the APS 7

4.0 STATISTICAL EVALUATION PROCEDURES 8

4.1 Statistical Evaluation Methodology 8

4.2 Background Data 8

4.3 Statistical Tests 10

4.3.1 Interwell Statistical Comparisons 10

4.3.2 False Positive Rates and Statistical Power 10

4.3.3 Background Sample Size 11

4.3.4 Appendix IV Assessment Monitoring – Determining GWPS Exceedances 11

5.0 PROJECTED KEY ACTIVITIES FOR UPCOMING REPORTING YEAR 12

List of Figures

Figure 1: Site Vicinity Map
Figure 2: Site Plan

List of Tables

Table 1: Monitoring Well Sampling Summary
Table 2A: Monitoring Well Gauging Data (April 2025)
Table 2B: Monitoring Well Gauging Data (October 2025)
Table 3: Analytical Results Summary October 2024
Table 4: Analytical Results Summary April 2025
Table 5A: Groundwater Protection Standards Shallow Zone
Table 5B: Groundwater Protection Standards Intermediate Zone
Table 5C: Groundwater Protection Standards Deep Zone

List of Appendices

Appendix A: Groundwater Flow Maps and Velocity Calculations
Appendix B: Laboratory Analytical Reports
Appendix C: Prediction Limits Backup Documentation
Appendix D: 95% Lower Confidence Limit Backup Documentation

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT MULTI-UNIT ASH POND SYSTEM EAGLE VALLEY GENERATING STATION 4040 BLUE BLUFF ROAD MARTINSVILLE, INDIANA 46151 AUGUST MACK PROJECT NUMBER JZ2371.380

1.0 INTRODUCTION

August Mack Environmental, Inc. (August Mack) has prepared this 2025 CCR Annual Groundwater Monitoring and Corrective Action (GWMCA) Report for the Multi-Unit Ash Pond System (APS) at the AESI Eagle Valley Generating Station (EVGS) in Martinsville, Morgan County, Indiana. This report has been prepared to comply with reporting requirements described in the United States Environmental Protection Agency's (U.S. EPA) Coal Combustion Residuals (CCR) Rule § 257.90(e). This annual report documents the status of the groundwater monitoring and corrective action program for the APS and includes information required by § 257.90(e)(1) through § 257.90(e)(6).

2.0 OVERVIEW OF THE CURRENT STATUS OF THE APS

For the duration of the 2025 reporting period, the CCR units at the EVGS APS were being monitored under the Assessment Monitoring Program defined in § 257.95. Pursuant to 40 CFR 257.94(e)(2), 257.94(e)(3) and 257.95(b), the facility had previously established an Assessment Monitoring Program in accordance with the requirements of § 257.95 on July 16, 2018. Therefore, an evaluation of statistically significant increases over background for one or more constituents listed in Appendix III to this part pursuant to § 257.94(e) was not performed in 2025.

The following Appendix IV constituents were detected at statistically significant levels (SSLs)[1] above the associated groundwater protection standards (GWPS) pursuant to § 257.95(g) for 2025 reporting period.

[1] As the October 2025 sampling data was not finalized in 2025, the SSLs provided are based on the April 2025 monitoring event.

Appendix IV Constituents Detected at SSLs Above the GWPS			
Constituents	**Shallow Aquifer Zone**	**Intermediate Aquifer Zone**	**Deep Aquifer Zone**
Arsenic	MW-11S	None	None
Lithium	MW-1S MW-6S MW-7S MW-10S MW-11S MW-12S	MW-1I MW-6I MW-11I	MW-1D MW-6D MW-11D
Molybdenum	None	MW-6I MW-11I	MW-6D MW-11D

No new constituents were identified greater than the GWPS at a SSL; therefore, no new SSL notification was required pursuant to § 257.95(g).

The assessment of corrective measures was initiated for EVGS CCR regulated units on April 15, 2019 in response to SSLs of Appendix IV constituents above the GWPS. Pursuant to 40 CFR §257.96(a), a demonstration of need for a 60-day extension of the assessment of corrective measures was completed on July 12, 2019. The Corrective Measures Assessment (CMA) Report was completed and placed in the facility operating record on July 12, 2019 and subsequently amended on October 11, 2019. An updated CMA report for Ash Ponds A, B, and C (West Ash Ponds) was issued in April 2024, which incorporated the following supplemental information collected since 2019; additional groundwater monitoring data, groundwater nature & extent (N&E) investigations, conceptual site model development, geochemical and site-specific investigations, groundwater modeling updates, and potential corrective measures evaluations.

AESI held a public meeting on May 8, 2024 to discuss the proposed corrective measures that would address constituents identified at levels requiring corrective action (arsenic, lithium, and molybdenum) as outlined in the updated CMA. Proposed corrective measures included two source control measures (hybrid closure in place and closure by removal) and four groundwater measures (groundwater pumping, groundwater pumping with ex-situ treatment, monitored natural attenuation, and in-situ treatment).

Based on the CMA and public comments, a remedy will be selected pursuant to § 257.97 and implemented thereafter in accordance with § 257.98.

2.1 Summary of Reporting Requirements

Federal CCR Rule § 257.90(e) specifies the following :

> ***For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2019, and annually thereafter, the owner or operator must prepare an annual groundwater monitoring and corrective action report. For new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by § 257.105(h)(1).***

2.2 Key Actions Completed During Reporting Period

The following key actions were completed in 2025 to comply with 40 CFR 257.90-98:

- October 2024 laboratory analytical reports were finalized and placed in the facility operating record pursuant to 40 CFR 257.95(d)(1).

- Semi-annual assessment monitoring events were conducted in April and October of 2025 as required by § 257.95(b) and § 257.95(d)(1). Pursuant to 40 CFR 257.95(b), each sample was analyzed for Appendix IV constituents. Pursuant to 40 CFR 257.95(d)(1), each sample was also analyzed for Appendix III and Appendix IV constituents detected in response to 40 CFR 257.95(b). Specifically, if an Appendix IV constituent was not detected during the April 2025 event, it was not analyzed during the October 2025 event. Each sampling event was performed in accordance with 40 CFR 257.93(c). Subsequent SSL evaluations of the October 2024 and April 2025 data were performed within 90 days of completing the sampling and analysis pursuant to § 257.93(h)(2)[2].

[2] A summary of the results from the October 2024 and April 2025 semi-annual assessment monitoring events are presented in **Table 3** and **Table 4**, respectively. Results of SSL evaluations are presented in *Section 3.4* of this report.

- AESI evaluated comments and input gained during the May 2024 public meeting and is continuing with the selection of remedy evaluation process for the West Ash Ponds.

- Collected and analyzed groundwater samples from select monitoring wells to assist in the understanding of discharge permitting requirements for future extracted groundwater.

- AESI received approval of the Closure/Post Closure Plan (C/PC) for the West Ash Ponds from the Indiana Department of Environmental Management on January 10, 2025 and began hybrid closure in place activities.

- Pursuant to § 257.97(a), Semi-Annual Remedy Selection Progress Reports were completed for the following periods and placed in the facility's operating record and posted to AESI's CCR Website:
    - September 8, 2024 through March 6, 2025 and
    - March 7, 2025 through September 2, 2025.

3.0 SATISFACTION OF REPORTING REQUIREMENTS BY STATUTE

To document compliance with the CCR Rule for activities conducted during the 2025 calendar year, excerpts of the specific minimum requirements for Annual GWMCA reports as listed in § 257.90(e)(1) through § 257.90(e)(6) are provided below in ***bold/italic*** type followed by a description of how each requirement was met.

3.1 Depiction of CCR Unit and Monitoring Wells

§ 257.90(e)(1): A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;

The location of the EVGS is depicted on **Figure 1**. The location of each CCR management unit, associated upgradient and downgradient CCR monitoring wells, enhancement wells, and N&E monitoring equipment installed between 2015 and 2023 is depicted on **Figure 2**.

3.2 Summary of all Installed/Decommissioned Monitoring Wells

§ 257.90(e)(2) Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;

No monitoring equipment was installed or abandoned during 2025. The location of the CCR groundwater monitoring well network, enhancement wells, and N&E wells are depicted on **Figure 2**.

3.3 Summary of Samples Collected

§ 257.90(e)(3): In addition to all the monitoring data obtained under § 257.90 through § 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

A summary of the number of groundwater samples collected at each CCR and N&E monitoring well, sampling dates, and designation of whether samples were required by the detection or assessment monitoring program is presented in **Table 1**. Depth to water measurements and calculated groundwater elevations during the April 2025[3] and October 2025 sampling events are presented in **Table 2A** and **Table 2B**. Potentiometric surface contours and derived flow paths for the April 2025 sampling event and the October 2025 sampling event, along with calculated seepage velocities along flow path during each event are included in **Appendix A**.

A summary of analytical results for the October 2024 assessment monitoring event, which includes enhancement wells (MW-3D, MW-10I/10D, MW-12I/12D, MW-26S/26I/26D), on-site N&E wells (MW-14S/14I/14D, MW-15S/15I/15D, MW-16S/16I/16D, MW-24S/24I/24D, MW-25S/25I/25D), and off-site N&E wells (MW-17S/17I/17D, MW-18S/18I/18D, MW-19S/19I/19D, MW-20S/20I/20D, MW-21S/21I/21D, MW-22S/22I/22D, and MW-23S/23I/23D) is presented in **Table 3**. Dry conditions were encountered at two wells (MW-10S and MW-20S) during the October 2024 event.

A summary of analytical results for the April 2025 assessment monitoring event, which includes enhancement wells (MW-3D, MW-10I/10D, MW-12I/12D, MW-26S/26I/26D), on-site N&E wells (MW-14S/14I/14D, MW-15S/15I/15D, MW-16S/16I/16D, MW-

[3] Depth to water measurements were collected on March 31, 2025 for the April 2025 sampling event.

24S/24I/24D, MW-25S/25I/25D), and off-site N&E wells (MW-17S/17I/17D, MW-18S/18I/18D, MW-19S/19I/19D, MW-20I/20D, MW-21S/21I/21D, MW-22S/22I/22D, MW-23S/23I/23D) is presented in **Table 4**. No dry wells were encountered during the April 2025 sampling event.

Groundwater results for the October 2025 semi-annual assessment monitoring sampling event, including on-site and off-site N&E wells, were not finalized in 2025 and thus not included with this submittal. Laboratory reports are included in **Appendix B**.

3.4 Discussion of Monitoring Program Transitions

§ 257.90(e)(4) A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels);

AESI EVGS continued to operate under the assessment monitoring program in accordance with § 257.95 during 2025 with no transition between monitoring programs.

In accordance with § 257.95(g) and 257.93(h), statistical evaluations were performed on the October 2024 and April 2025 analytical data to determine if an SSL of Appendix IV constituents were present above the relevant GWPS. The evaluations were completed in January 2025 and August 2025, respectively. Results of these evaluations identified three Appendix IV constituent SSLs above the GWPS (arsenic, lithium, and molybdenum), which is consistent with previous monitoring periods. No new Appendix IV constituent SSLs were identified; therefore an additional notification was not triggered pursuant to 40 CFR 257.95(g). SSLs and associated wells are summarized in *Section 2.0* of this report.

3.5 Other Information

§ 257.90(e)(5) Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.

Two semi-annual assessment monitoring events were conducted in 2025 as required by § 257.95(b) and § 257.95(d)(1). Each event was performed in accordance with 40 CFR 257.93(e) and all samples were submitted for analysis of Appendix IV constituents pursuant to 40 CFR 257.95(b). Additionally, pursuant to 40 CFR 257.95(d)(1), all samples collected in 2025 were analyzed for Appendix III constituents and Appendix IV constituents detected in response to 40 CFR 257.95(b). An SSL evaluation of October 2024

and April 2025 analytical results was performed within 90 days of completing the sampling and analysis pursuant to § 257.93(h)(2).

In accordance with § 257.95(d)(2) and § 257.95(h), a summary of the established GWPS for both October 2024 and April 2025 semi-annual assessment monitoring events is presented in **Tables 5A-5C**.

Refer to *Section 4.0* for details on other statistical reporting requirements as specified by the statutes listed above. Refer to *Section 5.0* for details on projected key activities in the upcoming year.

3.6 Overview of the Current Status of the GWMCA Program for the APS

§ 257.90(e)(6) A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:

(i) ***At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;***

(ii) ***At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;***

(iii) ***If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e):***

(A) Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and

(B) Provide the date when the assessment monitoring program was initiated for the CCR unit.

(iv) ***If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to § 257.95(g) include all of the following:***

(A) Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase;

(B) Provide the date when the assessment of corrective measures was initiated for the CCR unit;

(C) Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and

(D) Provide the date when the assessment of corrective measures was completed for the CCR unit.

(v) Whether a remedy was selected pursuant to § 257.97 during the current annual reporting period, and if so, the date of remedy selection; and

(vi) Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

An overview of the current status of the EVGS GWMCA unit is provided in *Section 2.0* of this report.

4.0 STATISTICAL EVALUATION PROCEDURES

The statistical evaluation procedures created for the EVGS define the statistical tests to be used for this site's CCR groundwater detection monitoring system. These evaluation methods were created to comply with the requirements of § 257.93(f). The evaluation methods specify statistical tests for the detection monitoring program (Appendix III constituents) and assessment monitoring program (Appendix IV parameters) described in 40 CFR 257.

4.1 Statistical Evaluation Methodology

The statistical evaluations were performed using DUMPStat[4] (Version 3.0) commercial software. The DUMPStat program uses statistical tests, procedures, and testing sequences described in *Statistical Methods for Groundwater Monitoring*[5] (Gibbons et. Al., 2009). The statistical methods for the EVGS CCR monitoring system are designed to be consistent with ASTM International *Standard Guide for Developing Appropriate Statistical Approaches for Groundwater Detection Monitoring Programs at Waste Disposal Facilities* (D6312-17) along with federal guidance, and Indiana's regulations addressing statistical evaluation of groundwater at solid waste landfills.

4.2 Background Data

Pursuant to 257.94(b), the monitoring well network was sampled to establish a minimum eight background data sets prior to completion of initial statistical analyses. Groundwater samples were analyzed for the Appendix III constituents: boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS); and for the Appendix IV

[4] DUMPStat Version 3.0 was written by Robert D. Gibbons and is distributed and supported by Discerning Systems Inc.

[5] Gibbons, R.D., Bhaumik D. K., Aryal S., 2009, Statistical Methods for Groundwater Monitoring, Second Edition, John Wiley & Sons, Inc. New York, 374 pages.

constituents: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium (each metal constituent was the "total" fraction), and total radium.

The EVGS APS CCR monitoring well network includes 27 CCR monitoring wells:

CCR Monitoring Wells						
MW-1S	MW-1I	MW-1D	MW-2S	MW-2I	MW-2D	MW-3S
MW-3I	MW-4S	MW-4I	MW-4D	MW-6S	MW-6I	MW-6D
MW-7S	MW-8S	MW-9S	MW-9I	MW-9D	MW-10S	MW-11S
MW-11I	MW-11D	MW-12S	MW-13S	MW-13I	MW-13D	

Monitoring wells MW-13S, MW-13I, and MW-13D represent background (upgradient) wells, while the remaining wells represent waste boundary (downgradient) wells. All wells were installed in accordance with the requirements of Federal CCR Rule § 257.91 between September 25, 2015 and February 8, 2023.

Monitoring wells (MW-4S/4I/4D, MW-8S, and MW-9S/9I/9D) were initially installed as upgradient background wells; however, based on variability in the data from subsequent sampling events due to the proximity of these wells to the multi-unit boundary and the discharge canal, the groundwater monitoring system was re-certified in 2019 in accordance with the requirements of Federal CCR Rule § 257.91 and they were replaced by MW-13S, MW-13I, and MW-13D as the new background monitoring wells for the CCR well network. The unconsolidated aquifer is currently divided into three distinct zones (shallow (S), intermediate (I), and deep (D)).

The background data included in the DUMPStat database contains results from September 2018 through April 2025 monitoring events for the upgradient monitoring wells, and from April 2016 through April 2025 for the downgradient wells. A summary of historical data for the EVGS statistically evaluated constituents, groundwater quality data from background monitoring wells (MW-13S, MW-13I, and MW-13D), and calculated prediction limits for each constituent based on groundwater quality data from background wells is included in **Appendix C**.

4.3 Statistical Tests

Although Appendix III detection monitoring continues during the completion of the Appendix IV assessment monitoring program, detection monitoring statistics were not completed in 2025, as the facility has entered into statistical evaluation of assessment monitoring parameters.

4.3.1 Interwell Statistical Comparisons

Appendix IV assessment monitoring constituents are statistically evaluated using the appropriate interwell statistical test. To assign the appropriate interwell statistical test, DUMPStat first checks for the detection frequencies in the constituent concentration data then applies the Shapiro-Wilk Test of Normality for Multiple Groups to determine if the data for each constituent is normally or lognormally distributed, or if a non-parametric prediction limit must be used. The statistics are then calculated to establish the prediction limits and DUMPStat screens the background data using Dixon's test to remove the outliers. Constituents exceeding statistical limits in downgradient monitoring wells, along with DUMPStat Statistical backup for Appendix IV prediction limits and associated historical data for those constituents is included in **Appendix C**.

Among the background measurements, if the constituent fits normal/lognormal distribution, the parametric prediction limit is calculated; if the constituent does not fit normal/lognormal distribution, the non-parametric prediction limit is calculated.

Future groundwater quality results at monitoring wells MW-1S, MW-1I, MW-1D, MW-2S, MW-2I, MW-2D, MW-3S, MW-3I, MW-6S, MW-6I, MW-6D, MW-7S, MW-10S, MW-11S, MW-11I, MW-11D, MW-12S will be statistically compared to results from background wells.

4.3.2 False Positive Rates and Statistical Power

Using DUMPStat, power curves were calculated to evaluate the false negative rate of laboratory data provided for both the shallow, intermediate, and deep monitoring wells. As a general guide, when background data is approximately normal in distribution, a statistical test should be able to detect a 3-standard deviation increase at least 55-60% of the time and a 4-standard deviation increase with at least 80-85% probability[6]. The facility's statistical program has the annual power to detect 3- and 4-standard deviation increases above the true background mean and the calculated

[6] Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities Unified Guidance, March 2009, EPA 530-R-09-007.

statistical power curves for data collected between October 2024 and April 2025 indicating general compliance with this guidance. Power curves are expected to improve over time as additional background data is added. Statistical backup for DUMPStat Power Curves is included in **Appendix C.**

4.3.3 Background Sample Size

The number of background samples used to conduct statistical tests varied based on the constituent and monitoring well; however, a minimum background sample size of eight data points (N=8) was used for all Appendix IV constituents. A table summarizing the background sample size used for all Appendix IV constituents is included in **Appendix C**.

4.3.4 Appendix IV Assessment Monitoring – Determining GWPS Exceedances

Following a previously identified SSI for one or more Appendix III constituent at one or more downgradient wells, an Appendix IV assessment monitoring program was established on July 16, 2018 in accordance with 257.95(a). Under the assessment monitoring program, prediction limits are calculated and GWPS are established for each Appendix IV constituent. The established GWPS is the larger of the background prediction limit, the regulatory standard maximum contaminant level (MCL), or the U.S. EPA Regional Screening Level (RSL) [7] for those Appendix IV constituents with no defined MCL (cobalt, lithium, molybdenum).

Appendix IV constituents are evaluated by calculating the lower confidence limit (LCL) on the mean of the last four reported concentrations for each Appendix IV constituent in each downgradient well to the GWPS. This approach is discussed in technical literature[8] and the U.S. EPA Unified Guidance (2009). The LCL was calculated to the 95% confidence level (95% LCL) of the mean of the last four measurements for each Appendix IV constituent using the following equation:

[7] USEPA Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coal Combustion Residuals from Electric Utilities; effective August 29, 2018.
[8] Gibbons, R.D., and Coleman, D.E., 2001. Statistical Methods for Detection and Quantification of Environmental Contamination, John Wiley & Sons. – Equation 19.5

$$LCL = \frac{\bar{x} - ts}{\sqrt{n}}$$

Definitions:

LCL = lower confidence limit for mean;
t = one-tailed 100(1-α) percentage point of Students t-distribution on n-1 degrees of freedom;
n = number of sample measurements;
s = sample standard deviation; and
$\bar{x}$ = sample mean of n measurements.

At each downgradient well, the 95% LCL was compared to the applicable established GWPS. An SSL was identified if the 95% LCL exceeded the GWPS. The 95% LCL was re-calculated following each sampling event using a rolling average of the four most recent sample results. Statistical backup for calculated 95% LCLs is included in **Appendix D.**

5.0 PROJECTED KEY ACTIVITIES FOR UPCOMING REPORTING YEAR

Projected key activities for the upcoming year include the following:

- Semi-annual assessment monitoring in accordance with § 257.95 and consistent with § 257.90(e).

- Finalize and complete statistical evaluation of October 2025 analytical data to determine if an Appendix IV SSL is present above GWPS in accordance with § 257.95(g) and 257.93(h).

- Perform SSL evaluations of final (April 2026) assessment monitoring analytical data.

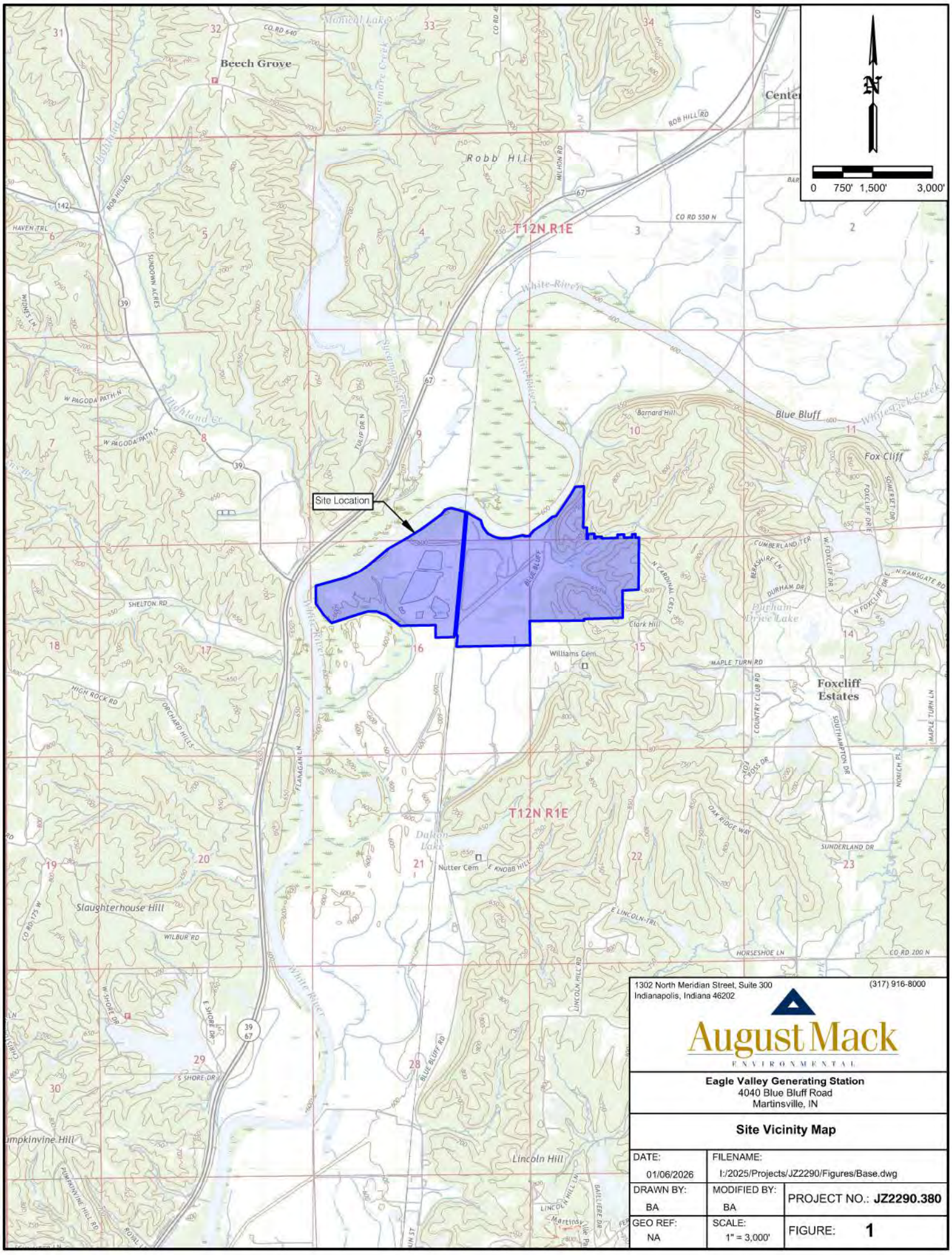
- Estimate quantity of Appendix IV material released.

- Begin preparation of a Selection of Remedy Report including a schedule for implementing and completing remedial activities.

- Prepare semi-annual report(s) describing progress in selecting and designing the remedy pursuant to § 257.97(a).

FIGURES

Figure 1: Site Vicinity Map
Figure 2: Site Plan



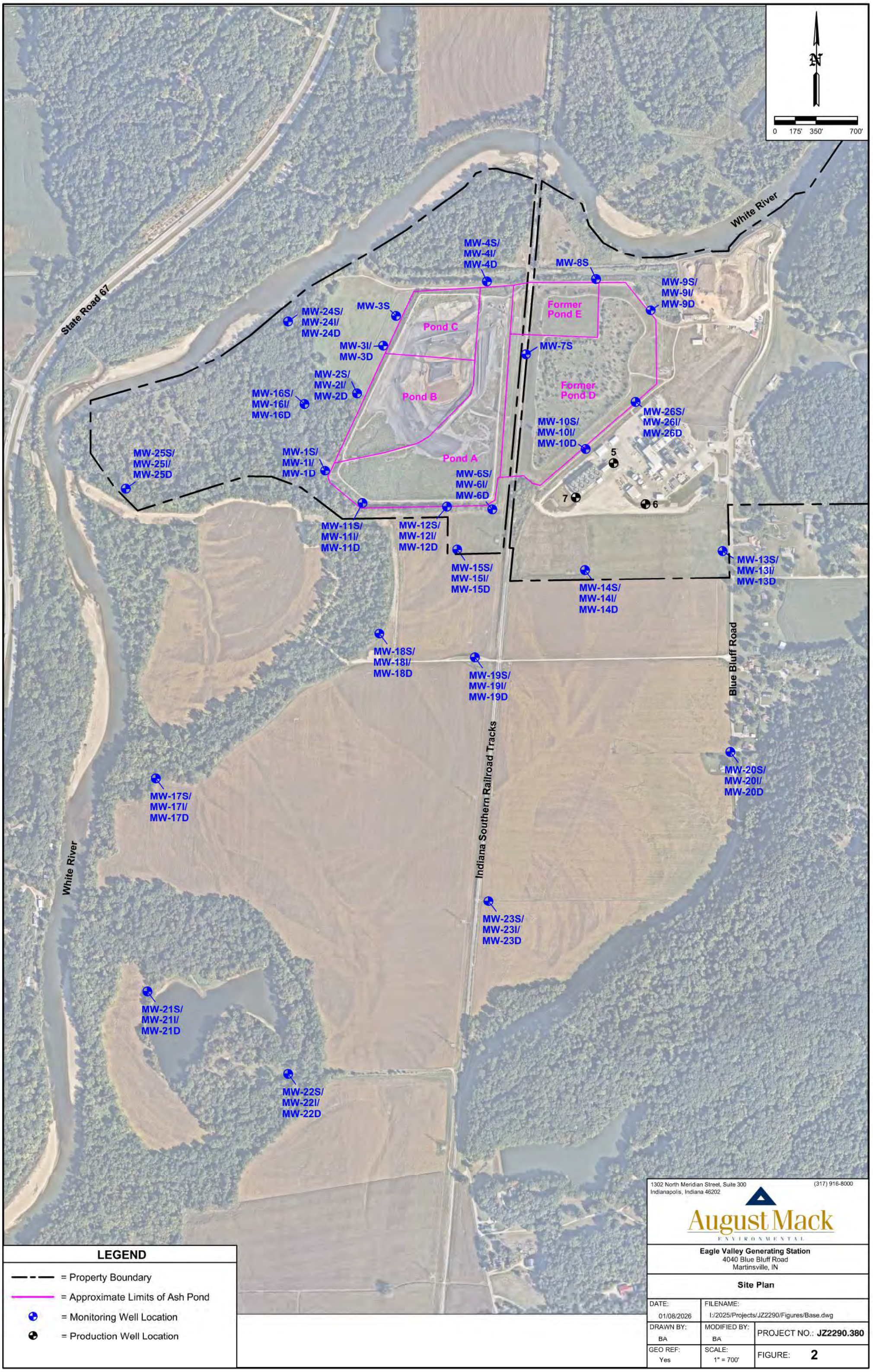
1302 North Meridian Street, Suite 300
Indianapolis, Indiana 46202
(317) 916-8000

August Mack
ENVIRONMENTAL

Eagle Valley Generating Station
4040 Blue Bluff Road
Martinsville, IN

Site Vicinity Map

DATE: 01/06/2026	FILENAME: I:/2025/Projects/JZ2290/Figures/Base.dwg	
DRAWN BY: BA	MODIFIED BY: BA	PROJECT NO.: **JZ2290.380**
GEO REF: NA	SCALE: 1" = 3,000'	FIGURE: **1**



LEGEND

- = Property Boundary
- = Approximate Limits of Ash Pond
- = Monitoring Well Location
- = Production Well Location

1302 North Meridian Street, Suite 300
Indianapolis, Indiana 46202
(317) 916-8000

August Mack
ENVIRONMENTAL

Eagle Valley Generating Station
4040 Blue Bluff Road
Martinsville, IN

Site Plan

DATE: 01/08/2026	FILENAME: I:/2025/Projects/JZ2290/Figures/Base.dwg	
DRAWN BY: BA	MODIFIED BY: BA	PROJECT NO.: **JZ2290.380**
GEO REF: Yes	SCALE: 1" = 700'	FIGURE: **2**

TABLES

Table 1: Monitoring Well Sampling Summary
Table 2A: Monitoring Well Gauging Data (April 2025)
Table 2B: Monitoring Well Gauging Data (October 2025)
Table 3: Analytical Results Summary October 2024
Table 4: Analytical Results Summary April 2025
Table 5A: Groundwater Protection Standards Shallow Zone
Table 5B: Groundwater Protection Standards Intermediate Zone
Table 5C: Groundwater Protection Standards Deep Zone

MONITORING WELL SAMPLING SUMMARY
MULTI-UNIT ASH POND SYSTEM

Well ID	Installation Date	Screened Interval	Detection or Assessment Monitoring Program	Number of Samples	Comments	Sample Date 1	Sample Date 2
Downgradient/Compliance Wells							
MW-1S	09/29/2015	Shallow	Assessment	2	None	04/22/2025	10/22/2025
MW-1I	03/01/2016	Intermediate	Assessment	2	None	04/22/2025	10/22/2025
MW-1D	10/01/2015	Deep	Assessment	2	None	04/22/2025	10/22/2025
MW-2S	09/28/2015	Shallow	Assessment	2	None	04/14/2025	10/22/2025
MW-2I	03/07/2016	Intermediate	Assessment	2	None	04/14/2025	10/22/2025
MW-2D	03/04/2016	Deep	Assessment	2	None	04/14/2025	10/22/2025
MW-3S	09/28/2015	Shallow	Assessment	2	None	04/18/2025	10/23/2025
MW-3I	03/08/2016	Intermediate	Assessment	2	None	04/18/2025	10/23/2025
MW-3D	01/17/2023	Deep	Assessment	2	None	04/18/2025	10/22/2025
MW-4S	10/01/2015	Shallow	Assessment	2	None	04/14/2025	10/22/2025
MW-4I	03/11/2016	Intermediate	Assessment	2	None	04/14/2025	10/22/2025
MW-4D	03/02/2016	Deep	Assessment	2	None	04/14/2025	10/22/2025
MW-6S	10/02/2015	Shallow	Assessment	1	Dry during October 2025 sampling event	04/10/2025	NA
MW-6I	03/17/2026	Intermediate	Assessment	2	None	04/10/2025	10/21/2025
MW-6D	03/08/2016	Deep	Assessment	2	None	04/10/2025	10/21/2025
MW-7S	10/02/2015	Shallow	Assessment	2	None	04/09/2025	10/17/2025
MW-8S	09/29/2015	Shallow	Assessment	2	None	04/01/2025	10/20/2025
MW-9S	10/21/2015	Shallow	Assessment	2	None	04/01/2025	10/20/2025
MW-9I	03/12/2016	Intermediate	Assessment	2	None	04/01/2025	10/20/2025
MW-9D	03/10/2016	Deep	Assessment	2	None	04/01/2025	10/20/2025
MW-10S	10/03/2015	Shallow	Assessment	1	Dry during October 2025 sampling event	04/04/2025	NA
MW-11S	03/16/2016	Shallow	Assessment	2	None	04/03/2025	10/23/2025
MW-11I	03/16/2016	Intermediate	Assessment	2	None	04/03/2025	10/23/2025
MW-11D	03/16/2016	Deep	Assessment	2	None	04/18/2025	11/04/2025
MW-12S	03/17/2016	Shallow	Assessment	2	None	04/17/2025	10/21/2025
MW-12I	02/08/2023	Intermediate	Assessment	2	None	04/17/2025	10/21/2025
MW-12D	02/07/2023	Deep	Assessment	2	None	04/17/2025	10/21/2025
MW-26S	01/26/2023	Shallow	Assessment	2	None	04/03/2025	10/15/2025
MW-26I	01/26/2023	Intermediate	Assessment	2	None	04/03/2025	10/14/2025
MW-26D	01/26/2023	Deep	Assessment	2	None	04/03/2025	10/14/2025
Upgradient/Background Wells							
MW-13S	07/02/2019	Shallow	Assessment	2	None	04/04/2025	10/16/2025
MW-13I	07/02/2019	Intermediate	Assessment	2	None	04/04/2025	10/17/2025
MW-13D	07/01/2019	Deep	Assessment	2	None	04/08/2025	10/17/2025

Abbreviations & Notes
NA = Not Applicable

MONITORING WELL SAMPLING SUMMARY
MULTI-UNIT ASH POND SYSTEM

Well ID	Installation Date	Screened Interval	Detection or Assessment Monitoring Program	Number of Samples	Comments	Sample Date 1	Sample Date 2
Nature & Extent Wells							
MW-10I	07/11/2019	Intermediate	Assessment	2	None	04/04/2025	10/24/2025
MW-10D	07/10/2019	Deep	Assessment	2	None	04/08/2025	10/24/2025
MW-14S	07/12/2019	Shallow	Assessment	2	None	04/09/2025	10/14/2025
MW-14I	07/09/2019	Intermediate	Assessment	2	None	04/09/2025	10/15/2025
MW-14D	07/03/2019	Deep	Assessment	2	None	04/09/2025	10/14/2025
MW-15S	07/17/2019	Shallow	Assessment	2	None	04/16/2025	10/21/2025
MW-15I	07/17/2019	Intermediate	Assessment	2	None	04/16/2025	10/21/2025
MW-15D	07/16/2019	Deep	Assessment	2	None	04/16/2025	10/21/2025
MW-16S	07/23/2019	Shallow	Assessment	2	None	04/03/2025	10/24/2025
MW-16I	07/22/2019	Intermediate	Assessment	2	None	04/03/2025	10/23/2025
MW-16D	07/22/2019	Deep	Assessment	2	None	04/03/2025	10/23/2025
MW-17S	03/16/2021	Shallow	Assessment	2	None	04/24/2025	10/17/2025
MW-17I	03/10/2021	Intermediate	Assessment	2	None	04/23/2025	10/16/2025
MW-17D	03/09/2021	Deep	Assessment	2	None	04/23/2025	10/16/2025
MW-18S	03/17/2021	Shallow	Assessment	2	None	04/10/2025	10/16/2025
MW-18I	03/17/2021	Intermediate	Assessment	2	None	04/10/2025	10/15/2025
MW-18D	03/16/2021	Deep	Assessment	2	None	04/16/2025	10/15/2025
MW-19S	03/15/2021	Shallow	Assessment	2	None	04/08/2025	10/16/2025
MW-19I	03/15/2021	Intermediate	Assessment	2	None	04/08/2025	10/15/2025
MW-19D	03/12/2021	Deep	Assessment	2	None	04/08/2025	10/15/2025
MW-20S	03/21/2022	Shallow	Assessment	1	Dry during October 2025 sampling event	04/08/2025	NA
MW-20I	03/21/2022	Intermediate	Assessment	2	None	04/08/2025	10/14/2025
MW-20D	03/18/2022	Deep	Assessment	2	None	04/08/2025	10/14/2025
MW-21S	08/03/2022	Shallow	Assessment	2	None	04/24/2025	10/17/2025
MW-21I	08/03/2022	Intermediate	Assessment	2	None	04/24/2025	10/17/2025
MW-21D	08/02/2022	Deep	Assessment	2	None	04/24/2025	10/17/2025
MW-22S	04/21/2022	Shallow	Assessment	2	None	04/28/2025	10/16/2025
MW-22I	04/20/2022	Intermediate	Assessment	2	None	04/28/2025	10/16/2025
MW-22D	04/20/2022	Deep	Assessment	2	None	04/28/2025	10/16/2025
MW-23S	07/14/2022	Shallow	Assessment	2	None	04/24/2025	10/15/2025
MW-23I	07/14/2022	Intermediate	Assessment	2	None	04/24/2025	10/15/2025
MW-23D	07/13/2022	Deep	Assessment	2	None	04/23/2025	10/15/2025
MW-24S	01/23/2023	Shallow	Assessment	2	None	04/24/2025	10/23/2025
MW-24I	01/23/2023	Intermediate	Assessment	2	None	04/24/2025	10/23/2025
MW-24D	01/19/2023	Deep	Assessment	2	None	04/28/2025	10/23/2025
MW-25S	03/01/2023	Shallow	Assessment	2	None	04/01/2025	10/23/2025
MW-25I	03/01/2023	Intermediate	Assessment	2	None	04/01/2025	10/24/2025
MW-25D	02/28/2023	Deep	Assessment	2	None	04/01/2025	10/24/2025

Abbreviations & Notes
NA = Not Applicable

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - MARCH 2025					
MONITORING WELLS					
MW-1S	3/31/2025	612.93	24.25	588.68	
MW-1I	3/31/2025	612.31	23.72	588.59	
MW-1D	3/31/2025	612.91	24.34	588.57	
MW-2S	3/31/2025	608.45	19.10	589.35	
MW-2I	3/31/2025	608.93	19.61	589.32	
MW-2D	3/31/2025	608.72	19.38	589.34	
MW-3S	3/31/2025	610.80	20.65	590.15	
MW-3I	3/31/2025	610.76	20.97	589.79	
MW-4S	3/31/2025	609.94	19.74	590.20	
MW-4I	3/31/2025	614.66	24.51	590.15	
MW-4D	3/31/2025	614.72	24.56	590.16	
MW-6S	3/31/2025	605.99	DRY TO PUMP	NM	
MW-6I	3/31/2025	606.00	19.02	586.98	
MW-6D	3/31/2025	604.85	17.80	587.05	
MW-7S	3/31/2025	616.68	28.00	588.68	
MW-8S	3/31/2025	616.67	DRY TO PUMP	NM	
MW-9S	3/31/2025	617.52	27.98	589.54	
MW-9I	3/31/2025	617.06	27.52	589.54	
MW-9D	3/31/2025	617.41	27.78	589.63	
MW-10S	3/31/2025	613.70	DRY TO PUMP	NM	
MW-11S	3/31/2025	627.29	38.99	588.30	
MW-11I	3/31/2025	627.52	39.21	588.31	
MW-11D	3/31/2025	627.56	39.26	588.30	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - MARCH 2025					
MW-12S	3/31/2025	607.26	19.75	587.51	
MW-13S	3/31/2025	606.03	20.28	585.75	
MW-13I	3/31/2025	606.21	20.45	585.76	
MW-13D	3/31/2025	605.86	20.10	585.76	
ENHANCEMENT MONITORING WELLS					
MW-3D	3/31/2025	610.28	21.35	588.93	
MW-10I	3/31/2025	613.68	28.19	585.49	
MW-10D	3/31/2025	613.54	28.04	585.50	
MW-12I	3/31/2025	607.36	19.50	587.86	
MW-12D	3/31/2025	607.75	19.68	588.07	
MW-26S	3/31/2025	616.14	30.06	586.08	
MW-26I	3/31/2025	616.33	30.09	586.24	
MW-26D	3/31/2025	616.15	29.98	586.17	
NATURE & EXTENT MONITORING WELLS					
MW-14S	3/31/2025	607.39	21.62	585.77	
MW-14I	3/31/2025	607.34	21.67	585.67	
MW-14D	3/31/2025	607.33	21.62	585.71	
MW-15S	3/31/2025	607.50	20.42	587.08	
MW-15I	3/31/2025	607.61	20.35	587.26	
MW-15D	3/31/2025	607.51	20.31	587.20	
MW-16S	3/31/2025	609.54	19.96	589.58	
MW-16I	3/31/2025	609.53	19.92	589.61	
MW-16D	3/31/2025	609.60	19.98	589.62	
MW-17S	3/31/2025	602.20	14.22	587.98	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - MARCH 2025					
MW-17I	3/31/2025	602.69	14.65	588.04	
MW-17D	3/31/2025	602.47	14.30	588.17	
MW-18S	3/31/2025	606.13	18.30	587.83	
MW-18I	3/31/2025	605.82	18.29	587.53	
MW-18D	3/31/2025	606.19	18.36	587.83	
MW-19S	3/31/2025	602.85	15.60	587.25	
MW-19I	3/31/2025	602.69	15.44	587.25	
MW-19D	3/31/2025	602.67	15.41	587.26	
MW-20S	3/31/2025	615.00	27.96	587.04	
MW-20I	3/31/2025	614.63	27.53	587.10	
MW-20D	3/31/2025	615.10	28.03	587.07	
MW-21S	3/31/2025	601.34	14.17	587.17	
MW-21I	3/31/2025	601.38	14.16	587.22	
MW-21D	3/31/2025	601.33	14.14	587.19	
MW-22S	3/31/2025	608.49	15.83	592.66	
MW-22I	3/31/2025	608.37	15.72	592.65	
MW-22D	3/31/2025	608.44	15.80	592.64	
MW-23S	3/31/2025	600.74	13.16	587.58	
MW-23I	3/31/2025	600.64	13.13	587.51	
MW-23D	3/31/2025	600.72	13.14	587.58	
MW-24S	3/31/2025	607.72	16.76	590.96	
MW-24I	3/31/2025	607.54	16.83	590.71	
MW-24D	3/31/2025	607.74	16.84	590.90	
MW-25S	3/31/2025	602.88	13.70	589.18	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - MARCH 2025					
MW-25I	3/31/2025	603.50	14.35	589.15	
MW-25D	3/31/2025	603.37	14.37	589.00	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - OCTOBER 2025					
MONITORING WELLS					
MW-1S	10/20/2025	612.93	26.02	586.91	
MW-1I	10/20/2025	612.31	25.49	586.82	
MW-1D	10/20/2025	612.91	26.17	586.74	
MW-2S	10/20/2025	608.45	20.59	587.86	
MW-2I	10/20/2025	608.93	21.10	587.83	
MW-2D	10/20/2025	608.72	20.89	587.83	
MW-3S	10/20/2025	610.80	21.95	588.85	
MW-3I	10/20/2025	610.76	22.33	588.43	
MW-4S	10/20/2025	609.94	21.16	588.78	
MW-4I	10/20/2025	614.66	25.98	588.68	
MW-4D	10/20/2025	614.72	26.02	588.70	
MW-6S	10/20/2025	605.99	DRY	NM	
MW-6I	10/20/2025	606.00	21.41	584.59	
MW-6D	10/20/2025	604.85	20.21	584.64	
MW-7S	10/20/2025	616.68	29.94	586.74	
MW-8S	10/20/2025	616.67	27.91	588.76	
MW-9S	10/20/2025	617.52	28.92	588.60	
MW-9I	10/20/2025	617.06	29.34	587.72	
MW-9D	10/20/2025	617.41	29.69	587.72	
MW-10S	10/20/2025	613.70	DRY	NM	
MW-11S	10/20/2025	627.29	DRY TO PUMP	NM	
MW-11I	10/20/2025	627.52	41.25	586.27	
MW-11D	10/20/2025	627.56	41.34	586.22	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - OCTOBER 2025					
MW-12S	10/20/2025	607.26	22.07	585.19	
MW-13S	10/20/2025	606.03	22.79	583.24	
MW-13I	10/20/2025	606.21	22.94	583.27	
MW-13D	10/20/2025	605.86	22.65	583.21	
ENHANCEMENT MONITORING WELLS					
MW-3D	10/20/2025	610.28	22.66	587.62	
MW-10I	10/20/2025	613.68	30.54	583.14	
MW-10D	10/20/2025	613.54	30.32	583.22	
MW-12I	10/20/2025	607.36	21.85	585.51	
MW-12D	10/20/2025	607.75	22.00	585.75	
MW-26S	10/20/2025	616.14	32.19	583.95	
MW-26I	10/20/2025	616.33	32.23	584.10	
MW-26D	10/20/2025	616.15	32.08	584.07	
NATURE & EXTENT MONITORING WELLS					
MW-14S	10/20/2025	607.39	27.19	580.20	
MW-14I	10/20/2025	607.34	24.24	583.10	
MW-14D	10/20/2025	607.33	24.17	583.16	
MW-15S	10/20/2025	607.50	22.87	584.63	
MW-15I	10/20/2025	607.61	22.78	584.83	
MW-15D	10/20/2025	607.51	22.72	584.79	
MW-16S	10/20/2025	609.54	21.46	588.08	
MW-16I	10/20/2025	609.53	21.42	588.11	
MW-16D	10/20/2025	609.60	21.46	588.14	
MW-17S	10/20/2025	602.20	16.13	586.07	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - OCTOBER 2025					
MW-17I	10/20/2025	602.69	16.56	586.13	
MW-17D	10/20/2025	602.47	16.22	586.25	
MW-18S	10/20/2025	606.13	20.76	585.37	
MW-18I	10/20/2025	605.82	20.74	585.08	
MW-18D	10/20/2025	606.19	20.81	585.38	
MW-19S	10/20/2025	602.85	18.23	584.62	
MW-19I	10/20/2025	602.69	18.06	584.63	
MW-19D	10/20/2025	602.67	18.03	584.64	
MW-20S	10/20/2025	615.00	DRY	NM	
MW-20I	10/20/2025	614.63	30.21	584.42	
MW-20D	10/20/2025	615.10	30.37	584.73	
MW-21S	10/20/2025	601.34	16.01	585.33	
MW-21I	10/20/2025	601.38	16.01	585.37	
MW-21D	10/20/2025	601.33	16.00	585.33	
MW-22S	10/20/2025	608.49	18.66	589.83	
MW-22I	10/20/2025	608.37	18.54	589.83	
MW-22D	10/20/2025	608.44	18.58	589.86	
MW-23S	10/20/2025	600.74	15.99	584.75	
MW-23I	10/20/2025	600.64	15.94	584.70	
MW-23D	10/20/2025	600.72	15.96	584.76	
MW-24S	10/20/2025	607.72	18.03	589.69	
MW-24I	10/20/2025	607.54	18.10	589.44	
MW-24D	10/20/2025	607.74	18.09	589.65	
MW-25S	10/20/2025	602.88	15.30	587.58	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

MONITORING WELL GAUGING DATA
EAGLE VALLEY GENERATING STATION

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	Notes
MULTI-UNIT ASH POND SYSTEM - OCTOBER 2025					
MW-25I	10/20/2025	603.50	15.92	587.58	
MW-25D	10/20/2025	603.37	15.95	587.42	

Abbreviations & Notes
amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
^ = Measurement taken from top of PVC casing

NA = Not Applicable; NM = Not Measured;
DRY*= Well is dry to its total depth
DRY TO PUMP*= Water level is below the top of the dedicated pump

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-1S	MW-1I	MW-1D	MW-2S	MW-2I	MW-2D	MW-3S	MW-3I
	Date Collected:	10/15/2024	10/15/2024	10/15/2024	10/7/2024	10/7/2024	10/7/2024	10/7/2024	10/7/2024
Field Parameters	**Units**								
Static Water Elevation	ft AMSL	**587.14**	**587.29**	**587.23**	**588.33**	**588.27**	**588.28**	**589.31**	**588.88**
Temperature, Field	°C	**14.9**	**14.8**	**14.5**	**16.1**	**16.3**	**16.5**	**15.2**	**14.9**
Dissolved Oxygen, Field	mg/L	**0.06**	**0.01**	**0.83**	**0.48**	**0.03**	**0.14**	**0.00**	**0.12**
Conductivity, Field	µS/cm	**1,296.02**	**943.34**	**945.84**	**1,219.63**	**970.66**	**798.34**	**1,078.88**	**1,269.71**
ORP, Field	mV	**-52.95**	**-182.50**	**-222.63**	**37.60**	**-161.36**	**-187.35**	**-63.65**	**-105.52**
pH, Field	S.U.	**6.81**	**7.33**	**7.36**	**6.71**	**7.27**	**7.17**	**7.07**	**7.13**
Turbidity, Field	NTU	**5.15**	**9.41**	**10.70**	**0.04**	**0.39**	**1.16**	**0.98**	**169.17**
Appendix III Constituents	**Units**								
Boron, Total	µg/L	**612**	**359**	**281**	**373**	**165**	**136**	**426**	**117**
Calcium, Total	µg/L	**123,000**	**65,200**	**75,000**	**129,000**	**66,800**	**75,400**	**93,100**	**94,900**
Chloride	mg/L	**113**	**98.8**	**99.3**	**129**	**97.9**	**77.9**	**89.4**	**164**
Fluoride	mg/L	**0.21**	**0.32**	**0.38**	**0.19**	**0.30**	**0.29**	**0.27**	**0.33**
Sulfate	mg/L	**105**	**72.4**	**77.7**	**111**	**78.4**	**64.3**	**130**	**182**
Total Dissolved Solids	mg/L	**705**	**480**	**497**	**670**	**489**	**374**	**583**	**678**
pH at 25 Degrees C	S.U.	**7.2**	**7.7**	**7.7**	**7.2**	**7.6**	**7.6**	**7.4**	**7.4**
Appendix IV Constituents	**Units**								
Antimony, Total	µg/L	**1.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	**4.4**	<1.0	**2.1**	**5.7**	<1.0	**4.2**	<1.0	<1.0
Barium, Total	µg/L	**70.1**	**51.0**	**60.1**	**114**	**67.9**	**70.0**	**81.4**	**97.1**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	**0.21**	**0.32**	**0.38**	**0.19**	**0.30**	**0.29**	**0.27**	**0.33**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	**71.9**	**79.0**	**88.7**	**36.2**	**29.3**	**29.6**	<20.0	<20.0
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	**40.4**	**91.2**	**85.3**	**11.5**	**86.0**	**34.3**	**40.3**	**41.0**
Molybdenum, Dissolved	µg/L	**43.0**	**99.0**	**89.1**	**12.5**	**86.3**	**35.5**	**40.0**	**41.5**
Radium-226	pCi/L	<1.51	<1.40	**1.17**	<1.01	**0.494**	**0.756**	<1.21	**0.543**
Radium-228	pCi/L	<0.584	**0.338**	**0.757**	**0.652**	**0.561**	**0.427**	<0.776	<0.878
Selenium, Total	µg/L	**9.5**	<1.0	<1.0	**4.5**	<1.0	<1.0	<1.0	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	<2.09	<2.05	**1.93**	<1.70	**1.06**	**1.18**	<1.99	<1.82
Geochemical Constituents	**Units**								
Alkalinity, Total as CaCO3	mg/L	**363**	**219**	**215**	**376**	**235**	**247**	**252**	**218**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**363**	**219**	**215**	**376**	**235**	**247**	**252**	**218**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	**3.4**	**1.9**	**2.0**	<1.0	<1.0	**1.1**	<1.0	**1.2**
Iron, Total	µg/L	**147**	**110**	**898**	<100	<100	**973**	<100	<100
Magnesium, Total	µg/L	**31,100**	**21,900**	**24,500**	**29,800**	**21,000**	**20,800**	**26,100**	**30,900**
Manganese, Total	µg/L	**10.0**	**250**	**397**	<10.0	**110**	**214**	**700**	**46.9**
Nitrogen, Nitrate	mg/L	**0.83**	<0.10	<0.10	**1.1**	<0.10	<0.10	**1.1**	<0.10
Potassium, Total	µg/L	**8,110**	**7,720**	**7,950**	**5,760**	**6,600**	**7,470**	**4,650**	**6,240**
Sodium, Total	µg/L	**83,000**	**74,800**	**65,400**	**89,500**	**79,000**	**59,900**	**73,700**	**118,000**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-3D	MW-4S	MW-4I	MW-4D	MW-6S	MW-6I	MW-6D
	Date Collected:	10/7/2024	10/11/2024	10/3/2024	10/3/2024	10/3/2024	10/2/2024	10/2/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	588.05	589.45	589.34	589.34	<587.09	584.56	584.70
Temperature, Field	°C	14.9	23.1	17.4	18.2	14.8	14.8	15.4
Dissolved Oxygen, Field	mg/L	0.06	2.80	0.08	0.09	4.88	1.00	0.53
Conductivity, Field	µS/cm	855.72	4,703.84	1,004.47	1,211.44	1,006.98	1,173.85	775.56
ORP, Field	mV	-242.32	47.77	-98.46	-248.17	183.97	-4.55	-65.66
pH, Field	S.U.	7.19	6.75	7.43	7.25	7.06	7.16	7.60
Turbidity, Field	NTU	109.40	2.94	12.17	94.98	29.65	1.44	237.31
Appendix III Constituents	**Units**							
Boron, Total	µg/L	121	5,320	192	106	6,000	2,250	1,420
Calcium, Total	µg/L	89,500	491,000	112,000	106,000	147,000	156,000	85,600
Chloride	mg/L	54.6	498	201	209	25.0	102	93.5
Fluoride	mg/L	0.18	0.40	0.32	0.28	0.25	0.27	0.20
Sulfate	mg/L	48.2	1,620	80.5	52.0	145	178	85.6
Total Dissolved Solids	mg/L	410	3,430	620	561	654	802	467
pH at 25 Degrees C	S.U.	7.5	7.3	7.5	7.5	7.4	7.3	7.6
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0
Arsenic, Total	µg/L	5.4	6.4	1.3	8.8	<1.0	<1.0	<1.0
Barium, Total	µg/L	98.2	177	99.7	89.5	98.2	91.0	60.1
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.00	<1.0
Fluoride	mg/L	0.18	0.40	0.32	0.28	0.25	0.27	0.20
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	153	<20.0	<20.0	90.7	120	70.0
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	10.7	239	<10.0	<10.0	83.6	120	213
Molybdenum, Dissolved	µg/L	12.0	228	10.7	<10.0	85.4	113	199
Radium-226	pCi/L	<0.936	<1.36	0.439	0.500	0.548	0.916	<0.997
Radium-228	pCi/L	0.596	0.393	1.18	1.13	0.678	0.640	0.512
Selenium, Total	µg/L	<1.0	5.1	<1.0	<1.0	45.2	<1.0	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	0.972	<2.10	1.62	1.63	1.23	1.56	<1.60
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	298	219	241	239	444	411	220
Alkalinity, Bicarbonate (CaCO3)	mg/L	298	219	241	239	444	411	207
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	13.2
Dissolved Organic Carbon	mg/L	1.2	<4.0	1.1	<1.0	1.2	2.1	1.5
Iron, Total	µg/L	1,390	<100	735	3,400	403	<100	142
Magnesium, Total	µg/L	30,600	117,000	38,200	36,300	32,900	37,100	16,200
Manganese, Total	µg/L	203	<10.0	219	274	108	110	338
Nitrogen, Nitrate	mg/L	<0.10	3.8	<0.10	<0.10	1.1	<0.10	<0.10
Potassium, Total	µg/L	3,870	24,900	4,640	3,460	10,200	14,400	5,870
Sodium, Total	µg/L	28,600	377,000	57,400	59,900	57,600	82,000	76,700

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-7S	MW-8S	MW-9S	MW-9I	MW-9D	MW-10S	MW-10I
	Date Collected:	10/15/2024	10/2/2024	10/9/2024	10/9/2024	10/9/2024	10/9/2024	10/10/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**586.90**	<590.37	<588.82	**588.27**	**588.32**	<586.00	**583.06**
Temperature, Field	°C	**16.9**	**23.2**	**23.1**	**16.3**	**18.8**	NS	**15.6**
Dissolved Oxygen, Field	mg/L	**0.38**	**0.28**	**0.83**	**0.07**	**0.12**	NS	**0.00**
Conductivity, Field	µS/cm	**2,089.61**	**2,759.93**	**4,610.84**	**1,260.58**	**1,098.32**	NS	**2,000.61**
ORP, Field	mV	**-11.32**	**-27.27**	**-76.35**	**-78.69**	**-108.61**	NS	**-37.33**
pH, Field	S.U.	**6.68**	**7.07**	**7.36**	**7.35**	**6.94**	NS	**6.86**
Turbidity, Field	NTU	**0.55**	**2.57**	**1.30**	**1.49**	**4.63**	NS	**19.22**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	**2,070**	**2,440**	**5,390**	**639**	<100	NS	**1,400**
Calcium, Total	µg/L	**266,000**	**254,000**	**486,000**	**104,000**	**116,000**	NS	**202,000**
Chloride	mg/L	**184**	**281**	**508**	**141**	**99.4**	NS	**234**
Fluoride	mg/L	<0.10	**0.57**	**0.58**	**0.30**	**0.10**	NS	**0.24**
Sulfate	mg/L	**530**	**696**	**1,590**	**192**	**74.5**	NS	**522**
Total Dissolved Solids	mg/L	**1,390**	**1,670**	**3,060**	**686**	**565**	NS	**1,400**
pH at 25 Degrees C	S.U.	**7.1**	**7.5**	**7.8**	**7.9**	**7.6**	NS	**7.6**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	**2.8**	<1.0	<1.0	<1.0	<1.0	NS	<1.0
Arsenic, Total	µg/L	<1.0	**5.3**	**13.0**	<1.0	<1.0	NS	<1.0
Barium, Total	µg/L	**38.0**	**106**	**173**	**36.8**	**122**	NS	**45.5**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NS	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NS	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NS	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<1.0
Fluoride	mg/L	<0.10	**0.57**	**0.58**	**0.30**	**0.10**	NS	**0.24**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	NS	<10.0
Lithium, Total	µg/L	**67.7**	**75.3**	**155**	**38.6**	<20.0	NS	**58.7**
Mercury	µg/L	NA	NA	NA	NA	NA	NS	NA
Molybdenum, Total	µg/L	**21.9**	**155**	**300**	**96.5**	<10.0	NS	**113**
Molybdenum, Dissolved	µg/L	**23.8**	**147**	**302**	**97.5**	<10.0	NS	**117**
Radium-226	pCi/L	<1.34	<1.34	<1.31	<1.06	**0.888**	NS	<1.87
Radium-228	pCi/L	<0.842	**0.501**	**0.456**	<0.757	**0.811**	NS	**0.752**
Selenium, Total	µg/L	**20.3**	<1.0	**5.7**	<1.0	<1.0	NS	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NS	NA
Radium, Total	pCi/L	<2.18	<2.08	<2.00	<1.82	**1.70**	NS	<2.54
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**293**	**226**	**186**	**206**	**300**	NS	**268**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**293**	**226**	**186**	**206**	**300**	NS	**268**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	NS	<10.0
Dissolved Organic Carbon	mg/L	**2.4**	**2.4**	<4.0	**2.5**	**2.0**	NS	**2.2**
Iron, Total	µg/L	<100	<100	<100	<100	**275**	NS	**291**
Magnesium, Total	µg/L	**58,500**	**62,300**	**117,000**	**27,200**	**26,100**	NS	**49,500**
Manganese, Total	µg/L	**234**	**276**	**43.0**	**304**	**269**	NS	**97.8**
Nitrogen, Nitrate	mg/L	**3.7**	<0.10	**4.5**	**0.95**	**0.76**	NS	<0.10
Potassium, Total	µg/L	**12,000**	**16,300**	**25,100**	**6,680**	**2,430**	NS	**10,300**
Sodium, Total	µg/L	**84,800**	**237,000**	**381,000**	**93,200**	**57,500**	NS	**146,000**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-10D	MW-11S	MW-11I	MW-11D	MW-12S	MW-12I	MW-12D
	Date Collected:	10/9/2024	10/15/2024	10/15/2024	10/15/2024	10/1/2024	10/1/2024	10/1/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**583.09**	<586.96	**587.63**	**586.55**	<586.77	**585.62**	**585.99**
Temperature, Field	°C	**17.5**	**13.8**	**13.6**	**14.2**	**15.7**	**14.4**	**14.6**
Dissolved Oxygen, Field	mg/L	**0.02**	**0.82**	**0.08**	**0.06**	**4.03**	**0.49**	**0.02**
Conductivity, Field	µS/cm	**1,438.61**	**1,240.17**	**982.00**	**889.67**	**1,364.66**	**1,288.26**	**942.88**
ORP, Field	mV	**-38.53**	**-50.23**	**-227.92**	**-288.31**	**75.78**	**-131.22**	**-210.69**
pH, Field	S.U.	**7.09**	**6.75**	**7.13**	**7.21**	**6.89**	**7.00**	**7.25**
Turbidity, Field	NTU	**14.36**	**4.55**	**0.96**	**11.84**	**10.78**	**8.84**	**0.12**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	**782**	**1,530**	**601**	**592**	**4,600**	**1,250**	**1,170**
Calcium, Total	µg/L	**169,000**	**139,000**	**75,800**	**76,800**	**154,000**	**125,000**	**81,500**
Chloride	mg/L	**188**	**92.2**	**108**	**95.0**	**46.4**	**127**	**94.3**
Fluoride	mg/L	**0.15**	**0.14**	**0.42**	**0.31**	**0.17**	**0.23**	**0.21**
Sulfate	mg/L	**394**	**132**	**92.9**	**78.0**	**155**	**147**	**86.3**
Total Dissolved Solids	mg/L	**1,050**	**772**	**558**	**461**	**802**	**686**	**474**
pH at 25 Degrees C	S.U.	**7.6**	**7.3**	**7.7**	**7.7**	**7.3**	**7.5**	**7.5**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	**1.3**	<1.0	<1.0	**1.8**	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	**54.4**	**1.2**	**4.4**	<1.0	<1.0	**3.3**
Barium, Total	µg/L	**73.0**	**134**	**58.4**	**60.3**	**145**	**68.0**	**56.3**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	**0.15**	**0.14**	**0.42**	**0.31**	**0.17**	**0.23**	**0.21**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	**52.9**	**93.0**	**102**	**87.4**	**113**	**113**	**71.2**
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	**81.2**	**25.9**	**116**	**121**	**19.0**	**137**	**177**
Molybdenum, Dissolved	µg/L	**82.3**	**25.2**	**122**	**130**	**20.6**	**141**	**186**
Radium-226	pCi/L	<1.10	<1.37	<1.71	**1.01**	**0.393**	**1.02**	**0.603**
Radium-228	pCi/L	**1.12**	**0.448**	<0.833	**0.678**	<0.946	**0.816**	<0.985
Selenium, Total	µg/L	<1.0	**24.4**	<1.0	<1.0	**21.7**	<1.0	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	**1.12**	<2.15	<2.54	**1.69**	**0.801**	**1.84**	**0.863**
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**263**	**403**	**230**	**220**	**483**	**304**	**218**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**263**	**403**	**230**	**220**	**483**	**292**	**218**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	**12.4**	<10.0
Dissolved Organic Carbon	mg/L	**2.6**	**4.7**	**1.5**	**3.9**	**1.5**	**1.8**	**1.3**
Iron, Total	µg/L	**276**	**138**	**194**	**1,080**	<100	**158**	**393**
Magnesium, Total	µg/L	**42,600**	**35,500**	**24,400**	**20,300**	**35,500**	**32,000**	**15,800**
Manganese, Total	µg/L	**218**	**16.3**	**272**	**277**	<10.0	**307**	**296**
Nitrogen, Nitrate	mg/L	<0.10	**0.53**	<0.10	<0.10	**0.25**	<0.10	<0.10
Potassium, Total	µg/L	**10,200**	**8,640**	**8,940**	**7,310**	**11,600**	**9,900**	**5,420**
Sodium, Total	µg/L	**126,000**	**73,700**	**79,100**	**68,100**	**66,100**	**69,900**	**68,500**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-13S	MW-13I	MW-13D	MW-14S	MW-14I	MW-14D	MW-15S
	Date Collected:	10/4/2024	10/4/2024	10/4/2024	10/4/2024	10/4/2024	10/4/2024	10/1/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**583.25**	**583.25**	**583.18**	**583.13**	**583.07**	**583.05**	**584.75**
Temperature, Field	°C	**15.3**	**14.3**	**13.9**	**14.8**	**14.9**	**15.3**	**16.0**
Dissolved Oxygen, Field	mg/L	**7.22**	**4.91**	**1.81**	**8.72**	**0.06**	**2.62**	**8.23**
Conductivity, Field	µS/cm	**707.19**	**569.84**	**579.23**	**707.92**	**868.29**	**1,283.34**	**588.80**
ORP, Field	mV	**218.40**	**82.44**	**-70.97**	**23.71**	**117.99**	**0.73**	**113.31**
pH, Field	S.U.	**7.07**	**7.12**	**7.23**	**6.94**	**7.50**	**7.00**	**7.32**
Turbidity, Field	NTU	**6.69**	**0.24**	**33.27**	**60.99**	**0.00**	**165.76**	**653.17**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	<100	<100	**286**	**3,990**	**4,090**	**631**
Calcium, Total	µg/L	**101,000**	**67,800**	**63,900**	**92,200**	**102,000**	**138,000**	**102,000**
Chloride	mg/L	**32.6**	**25.0**	**21.2**	**3.0**	**79.0**	**136**	**22.1**
Fluoride	mg/L	<0.10	<0.10	<0.10	**0.10**	<0.10	<0.10	**0.30**
Sulfate	mg/L	**14.1**	**23.7**	**29.6**	**15.1**	**164**	**266**	**29.2**
Total Dissolved Solids	mg/L	**447**	**316**	**300**	**339**	**633**	**820**	**373**
pH at 25 Degrees C	S.U.	**7.5**	**7.8**	**7.9**	**7.4**	**7.5**	**7.5**	**7.5**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.5**
Barium, Total	µg/L	**45.8**	**29.0**	**48.7**	**28.0**	**44.2**	**21.1**	**68.9**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10	**0.10**	<0.10	<0.10	**0.30**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	<20.0	<20.0	**21.6**	**73.0**	**25.2**	**49.6**
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	<10.0	<10.0	<10.0	**43.9**	**106**	**20.5**	**70.2**
Molybdenum, Dissolved	µg/L	<10.0	<10.0	<10.0	**45.6**	**108**	**21.8**	**72.8**
Radium-226	pCi/L	<0.978	<1.51	<1.28	<0.774	<0.909	<1.01	<0.934
Radium-228	pCi/L	<0.824	<0.815	<0.704	**0.394**	**0.983**	**0.418**	**0.600**
Selenium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	<1.80	<2.33	<1.98	<1.41	**1.33**	**0.737**	<1.99
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**333**	**241**	**234**	**308**	**274**	**255**	**301**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**333**	**241**	**234**	**308**	**259**	**255**	**301**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	**14.4**	<10.0	<10.0
Dissolved Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron, Total	µg/L	<100	<100	<100	<100	<100	<100	**1,180**
Magnesium, Total	µg/L	**25,900**	**18,500**	**18,800**	**24,600**	**24,700**	**30,300**	**27,200**
Manganese, Total	µg/L	<10.0	<10.0	**18.6**	<10.0	<10.0	**104**	**104**
Nitrogen, Nitrate	mg/L	**9.1**	**1.9**	**0.65**	**9.7**	<0.10	<0.10	**6.1**
Potassium, Total	µg/L	**3,360**	**2,020**	**1,640**	**2,020**	**4,490**	**3,880**	**5,010**
Sodium, Total	µg/L	**26,900**	**22,300**	**20,400**	**6,880**	**71,200**	**81,200**	**13,400**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-15I	MW-15D	MW-16S	MW-16I	MW-16D	MW-17S	MW-17I
	Date Collected:	10/2/2024	10/1/2024	10/7/2024	10/7/2024	10/7/2024	10/10/2024	10/10/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**584.90**	**584.82**	**588.98**	**588.64**	**588.66**	**586.80**	**586.84**
Temperature, Field	°C	**14.6**	**16.4**	**15.3**	**15.0**	**15.2**	**13.0**	**13.4**
Dissolved Oxygen, Field	mg/L	**0.45**	**0.14**	**0.01**	**0.07**	**0.88**	**0.01**	**0.01**
Conductivity, Field	µS/cm	**867.67**	**798.46**	**1,309.84**	**1,030.64**	**684.34**	**830.30**	**676.91**
ORP, Field	mV	**-9.94**	**-94.87**	**-46.13**	**-55.15**	**-178.01**	**-18.93**	**-74.17**
pH, Field	S.U.	**7.35**	**7.81**	**7.08**	**7.28**	**7.26**	**6.92**	**7.17**
Turbidity, Field	NTU	**18.65**	**196.29**	**10.24**	**3.50**	**0.00**	**5.03**	**0.00**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	**2,760**	**3,940**	**223**	**155**	<100	**349**	**518**
Calcium, Total	µg/L	**113,000**	**80,700**	**96,300**	**73,100**	**65,800**	**101,000**	**88,300**
Chloride	mg/L	**71.2**	**103**	**161**	**110**	**58.5**	**33.9**	**42.2**
Fluoride	mg/L	**0.28**	**0.23**	**0.29**	**0.30**	**0.33**	**0.17**	**0.15**
Sulfate	mg/L	**109**	**126**	**139**	**93.9**	**54.1**	**29.9**	**39.0**
Total Dissolved Solids	mg/L	**531**	**564**	**660**	**527**	**400**	**425**	**398**
pH at 25 Degrees C	S.U.	**7.5**	**7.6**	**7.6**	**7.6**	**7.7**	**7.5**	**7.8**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	**1.00**	<1.0	<1.0	**4.0**	<1.0	<1.0
Barium, Total	µg/L	**57.3**	**45.8**	**85.9**	**72.1**	**65.9**	**119**	**53.1**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	**0.28**	**0.23**	**0.29**	**0.30**	**0.33**	**0.17**	**0.15**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	**114**	**73.2**	**37.2**	**44.0**	**28.8**	<20.0	<20.0
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	**208**	**182**	**65.5**	**98.3**	**34.0**	**16.1**	<10.0
Molybdenum, Dissolved	µg/L	**188**	**187**	**67.4**	**104**	**36.7**	**15.5**	<10.0
Radium-226	pCi/L	**0.815**	**1.21**	<0.802	<1.23	**0.609**	<0.866	**0.338**
Radium-228	pCi/L	**1.34**	**1.38**	<0.797	**0.373**	<0.734	<0.736	<0.682
Selenium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	**2.16**	**2.59**	<1.60	<1.92	<1.91	<1.60	<1.49
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**302**	**207**	**249**	**229**	**240**	**315**	**272**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**302**	**207**	**249**	**218**	**225**	**315**	**263**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	**11.2**	**14.8**	<10.0	<10.0
Dissolved Organic Carbon	mg/L	<1.0	**3.5**	<1.0	<1.0	**1.1**	**2.5**	**4.5**
Iron, Total	µg/L	<100	**190**	<100	<100	**917**	**155**	<100
Magnesium, Total	µg/L	**26,100**	**16,000**	**25,600**	**22,600**	**18,100**	**21,400**	**21,700**
Manganese, Total	µg/L	**85.9**	**300**	**590**	**91.1**	**155**	<10.0	**16.3**
Nitrogen, Nitrate	mg/L	<0.10	<0.10	**1.5**	<0.10	<0.10	**4.5**	**1.2**
Potassium, Total	µg/L	**11,100**	**5,720**	**7,570**	**7,180**	**6,540**	**3,440**	**2,310**
Sodium, Total	µg/L	**65,200**	**86,900**	**105,000**	**76,700**	**53,800**	**23,900**	**30,900**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-17D	MW-18S	MW-18I	MW-18D	MW-19S	MW-19I	MW-19D
	Date Collected:	10/10/2024	10/10/2024	10/10/2024	10/10/2024	10/7/2024	10/3/2024	10/3/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**586.94**	**585.56**	**585.25**	**585.57**	**584.67**	**584.73**	**584.76**
Temperature, Field	°C	**13.5**	**15.4**	**13.5**	**13.5**	**15.2**	**14.5**	**14.1**
Dissolved Oxygen, Field	mg/L	**0.10**	**0.06**	**0.23**	**0.17**	**7.27**	**0.06**	**0.04**
Conductivity, Field	µS/cm	**869.88**	**594.34**	**583.08**	**1,124.45**	**587.77**	**599.10**	**833.69**
ORP, Field	mV	**-208.65**	**-64.10**	**-84.51**	**-199.85**	**203.30**	**-44.04**	**-78.12**
pH, Field	S.U.	**7.20**	**7.32**	**7.38**	**7.25**	**7.28**	**7.58**	**7.59**
Turbidity, Field	NTU	**0.95**	**3.34**	**2.01**	**3.75**	**10.21**	**2.34**	**101.16**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	**2,710**	**120**	**221**	**3,960**	<100	**2,950**	**4,970**
Calcium, Total	µg/L	**90,400**	**65,800**	**64,000**	**107,000**	**92,700**	**74,500**	**91,400**
Chloride	mg/L	**70.7**	**36.0**	**44.3**	**127**	**22.8**	**45.0**	**93.6**
Fluoride	mg/L	<0.10	**0.22**	**0.16**	**0.14**	<0.10	<0.10	<0.10
Sulfate	mg/L	**124**	**30.7**	**39.7**	**175**	**20.1**	**50.0**	**131**
Total Dissolved Solids	mg/L	**492**	**314**	**311**	**651**	**331**	**370**	**557**
pH at 25 Degrees C	S.U.	**7.8**	**7.8**	**7.9**	**7.7**	**7.6**	**7.7**	**7.6**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	**4.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium, Total	µg/L	**57.7**	**31.0**	**55.3**	**97.0**	**26.8**	**56.9**	**37.4**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	**0.22**	**0.16**	**0.14**	<0.10	<0.10	<0.10
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	**39.4**	<20.0	**21.7**	**97.1**	<20.0	**73.6**	**36.6**
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	**15.9**	**21.7**	**68.4**	**167**	<10.0	**158**	**35.7**
Molybdenum, Dissolved	µg/L	**17.5**	**22.6**	**71.2**	**166**	<10.0	**152**	**37.6**
Radium-226	pCi/L	**0.855**	<0.826	<0.757	**0.917**	<1.23	<1.04	<1.14
Radium-228	pCi/L	<0.998	<0.939	<0.839	**0.969**	<0.709	**1.02**	**0.903**
Selenium, Total	µg/L	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	**0.968**	<1.77	<1.60	**1.89**	<1.94	**1.02**	**0.903**
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**242**	**201**	**188**	**211**	**276**	**247**	**239**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**242**	**201**	**174**	**211**	**261**	**247**	**239**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	**14.0**	<10.0	**14.4**	<10.0	<10.0
Dissolved Organic Carbon	mg/L	**1.2**	<4.0	**1.4**	**2.3**	<1.0	<1.0	<1.0
Iron, Total	µg/L	**1,560**	<100	<100	**544**	**122**	<100	**130**
Magnesium, Total	µg/L	**23,600**	**13,800**	**15,100**	**20,600**	**23,400**	**16,100**	**21,200**
Manganese, Total	µg/L	**302**	<10.0	**50.2**	**437**	**23.4**	**64.0**	**315**
Nitrogen, Nitrate	mg/L	<0.10	**0.21**	**1.1**	<0.10	**7.1**	<0.10	<0.10
Potassium, Total	µg/L	**3,020**	**2,570**	**3,090**	**7,280**	**1,990**	**5,550**	**3,760**
Sodium, Total	µg/L	**50,100**	**27,800**	**24,300**	**85,800**	**10,200**	**56,400**	**90,100**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-20S	MW-20I	MW-20D	MW-21S	MW-21I	MW-21D	MW-22S
	Date Collected:	10/11/2024	10/11/2024	10/11/2024	10/7/2024	10/7/2024	10/7/2024	10/14/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**585.12**	**584.39**	**584.35**	**585.89**	**585.92**	**585.91**	**590.04**
Temperature, Field	°C	NS	**13.7**	**13.4**	**19.2**	**18.9**	**18.6**	**13.6**
Dissolved Oxygen, Field	mg/L	NS	**1.17**	**1.57**	**0.19**	**0.12**	**0.07**	**0.22**
Conductivity, Field	µS/cm	NS	**567.09**	**590.14**	**539.48**	**605.42**	**789.57**	**789.77**
ORP, Field	mV	NS	**-26.54**	**51.37**	**-8.31**	**-22.33**	**-131.40**	**-83.76**
pH, Field	S.U.	NS	**7.33**	**7.30**	**7.54**	**7.38**	**7.41**	**6.83**
Turbidity, Field	NTU	NS	**14.87**	**10.21**	**5.14**	**25.08**	**94.45**	**2.93**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	NS	<100	<100	<100	<100	**307**	<100
Calcium, Total	µg/L	NS	**84,200**	**82,800**	**62,800**	**93,000**	**131,000**	**103,000**
Chloride	mg/L	NS	**21.2**	**22.9**	**44.4**	**24.4**	**40.7**	**31.0**
Fluoride	mg/L	NS	<0.10	<0.10	**0.19**	<0.10	<0.10	**0.12**
Sulfate	mg/L	NS	**24.3**	**30.7**	**31.9**	**31.5**	**199**	**33.2**
Total Dissolved Solids	mg/L	NS	**326**	**349**	**316**	**362**	**562**	**412**
pH at 25 Degrees C	S.U.	NS	**7.7**	**7.7**	**7.7**	**7.4**	**7.5**	**7.3**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	NS	<1.0	<1.0	<1.0	<1.0	**4.9**	<1.0
Barium, Total	µg/L	NS	**49.1**	**33.3**	**28.0**	**91.3**	**33.8**	**41.3**
Beryllium, Total	µg/L	NS	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NS	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NS	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	NS	<0.10	<0.10	**0.19**	<0.10	<0.10	**0.12**
Lead, Total	µg/L	NS	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	NS	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Mercury	µg/L	NS	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	NS	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Molybdenum, Dissolved	µg/L	NS	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Radium-226	pCi/L	NS	<1.51	<1.53	**0.677**	**0.519**	<1.30	<0.681
Radium-228	pCi/L	NS	**0.648**	<0.775	**0.438**	<0.643	**0.337**	<0.865
Selenium, Total	µg/L	NS	<1.0	<1.0	<1.0	**7.0**	<1.0	**2.1**
Thallium, Total	µg/L	NS	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	NS	<2.25	<2.31	**1.12**	**0.820**	<1.92	<1.55
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	NS	**261**	**266**	**219**	**286**	**273**	**323**
Alkalinity, Bicarbonate (CaCO3)	mg/L	NS	**239**	**247**	**203**	**275**	**273**	**323**
Alkalinity, Carbonate (CaCO3)	mg/L	NS	**22.4**	**19.6**	**16.0**	**10.8**	<10.0	<10.0
Dissolved Organic Carbon	mg/L	NS	**1.5**	**1.5**	<1.0	<1.0	<1.0	**1.9**
Iron, Total	µg/L	NS	**359**	**448**	<100	**254**	**4,200**	<100
Magnesium, Total	µg/L	NS	**23,100**	**25,500**	**18,400**	**27,700**	**30,100**	**27,500**
Manganese, Total	µg/L	NS	**21.7**	**17.1**	**393**	**127**	**384**	**1,010**
Nitrogen, Nitrate	mg/L	NS	**2.5**	**3.2**	**0.87**	**7.8**	<0.10	**3.0**
Potassium, Total	µg/L	NS	**4,630**	**2,490**	**2,890**	**1,830**	**3,250**	**1,350**
Sodium, Total	µg/L	NS	**11,100**	**9,420**	**35,200**	**11,100**	**36,800**	**28,600**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-22I	MW-22D	MW-23S	MW-23I	MW-23D	MW-24S	MW-24I
	Date Collected:	10/11/2024	10/14/2024	10/9/2024	10/8/2024	10/8/2024	10/14/2024	10/14/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**590.04**	**590.04**	**584.82**	**584.76**	**584.82**	**590.08**	**589.83**
Temperature, Field	°C	**14.3**	**13.3**	**13.9**	**13.7**	**15.1**	**21.1**	**17.7**
Dissolved Oxygen, Field	mg/L	**0.09**	**0.16**	**7.32**	**0.01**	**0.20**	**0.05**	**0.02**
Conductivity, Field	µS/cm	**583.28**	**591.38**	**746.79**	**652.18**	**610.32**	**1,230.39**	**1,045.95**
ORP, Field	mV	**28.61**	**-256.76**	**93.80**	**48.71**	**-21.86**	**-105.06**	**-246.25**
pH, Field	S.U.	**7.28**	**7.15**	**6.89**	**7.23**	**7.30**	**7.17**	**7.36**
Turbidity, Field	NTU	**30.60**	**12.23**	**7.55**	**9.25**	**81.93**	**0.28**	**0.01**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	<100	<100	<100	<100	**212**	**128**
Calcium, Total	µg/L	**89,300**	**76,100**	**106,000**	**82,100**	**70,300**	**86,500**	**64,700**
Chloride	mg/L	**10.1**	**18.0**	**3.9**	**11.0**	**21.9**	**158**	**120**
Fluoride	mg/L	<0.10	<0.10	**0.10**	<0.10	<0.10	**0.39**	**0.32**
Sulfate	mg/L	**32.8**	**47.3**	**7.3**	**36.7**	**38.6**	**139**	**92.5**
Total Dissolved Solids	mg/L	**336**	**281**	**364**	**315**	**310**	**648**	**539**
pH at 25 Degrees C	S.U.	**7.8**	**7.6**	**7.6**	**7.6**	**7.7**	**7.6**	**7.7**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	**4.1**	<1.0	<1.0	<1.0	<1.0	**1.9**
Barium, Total	µg/L	**56.8**	**96.9**	**42.9**	**27.4**	**43.6**	**101**	**78.0**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	**0.10**	<0.10	<0.10	**0.39**	**0.32**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	**44.6**	**71.2**
Molybdenum, Dissolved	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	**43.0**	**70.8**
Radium-226	pCi/L	<1.40	<1.30	<1.09	**0.452**	<1.22	<1.21	<1.49
Radium-228	pCi/L	<0.678	<0.766	**1.37**	**0.378**	**0.613**	**0.625**	<0.741
Selenium, Total	µg/L	**7.7**	<1.0	**1.00**	**9.0**	**9.5**	<1.0	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	<2.08	<2.07	**1.37**	**0.830**	<1.91	<2.04	<2.23
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**266**	**237**	**334**	**250**	**227**	**207**	**235**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**254**	**237**	**334**	**246**	**224**	**207**	**235**
Alkalinity, Carbonate (CaCO3)	mg/L	**11.6**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	**2.1**	**1.5**	**3.8**	**1.4**	**1.8**	**2.2**	**2.2**
Iron, Total	µg/L	<100	**1,100**	**345**	<100	<100	<100	**553**
Magnesium, Total	µg/L	**25,500**	**23,200**	**30,300**	**24,000**	**21,900**	**28,700**	**19,000**
Manganese, Total	µg/L	**315**	**296**	**17.9**	**39.6**	**165**	**105**	**149**
Nitrogen, Nitrate	mg/L	**4.6**	<0.10	**9.1**	**5.9**	**1.6**	**2.6**	<0.10
Potassium, Total	µg/L	**1,400**	**1,610**	<1,000	**1,450**	**1,670**	**6,730**	**5,610**
Sodium, Total	µg/L	**5,980**	**9,280**	**3,600**	**8,960**	**14,000**	**103,000**	**109,000**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
OCTOBER 2024

August Mack Environmental	Sample ID:	MW-24D	MW-25S	MW-25I	MW-25D	MW-26S	MW-26I	MW-26D
	Date Collected:	10/14/2024	10/14/2024	10/14/2024	10/14/2024	10/2/2024	10/2/2024	10/2/2024
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**589.91**	**588.33**	**588.32**	**588.15**	**584.07**	**584.22**	**584.20**
Temperature, Field	°C	**17.5**	**14.2**	**14.1**	**14.3**	**18.7**	**17.7**	**16.4**
Dissolved Oxygen, Field	mg/L	**0.01**	**2.97**	**1.89**	**1.52**	**0.14**	**0.06**	**0.06**
Conductivity, Field	µS/cm	**831.06**	**812.83**	**717.21**	**291.48**	**3,036.29**	**1,173.40**	**1,032.15**
ORP, Field	mV	**-259.43**	**-14.42**	**-141.93**	**-185.91**	**-88.40**	**-82.70**	**-153.74**
pH, Field	S.U.	**7.38**	**7.44**	**7.59**	**7.58**	**6.86**	**7.32**	**7.02**
Turbidity, Field	NTU	**0.09**	**1.73**	**10.34**	**0.00**	**2.85**	**2.45**	**8.27**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	**267**	**897**	**1,230**	**3,400**	**175**	<100
Calcium, Total	µg/L	**77,400**	**81,700**	**73,700**	**75,800**	**316,000**	**70,300**	**110,000**
Chloride	mg/L	**55.3**	**110**	**93.9**	**85.7**	**285**	**133**	**68.3**
Fluoride	mg/L	**0.27**	**0.32**	**0.12**	**0.13**	**0.36**	**0.39**	<0.10
Sulfate	mg/L	**43.9**	**95.7**	**78.9**	**80.4**	**890**	**110**	**87.8**
Total Dissolved Solids	mg/L	**415**	**547**	**455**	**491**	**1,990**	**589**	**514**
pH at 25 Degrees C	S.U.	**7.6**	**7.5**	**7.6**	**7.6**	**7.4**	**7.8**	**7.8**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	**2.8**	<1.0	**2.9**	**1.3**	<1.0	<1.0	<1.0
Barium, Total	µg/L	**88.8**	**87.2**	**70.7**	**53.6**	**34.3**	**75.0**	**110**
Beryllium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0
Fluoride	mg/L	**0.27**	**0.32**	**0.12**	**0.13**	**0.36**	**0.39**	<0.10
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	**59.2**	**78.2**	**70.1**	**83.2**	<20.0	<20.0
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Total	µg/L	**10.6**	**77.1**	**144**	**175**	**151**	**41.2**	**23.9**
Molybdenum, Dissolved	µg/L	**11.4**	**73.4**	**139**	**168**	**149**	**39.9**	**23.4**
Radium-226	pCi/L	**0.530**	<1.32	**1.62**	<1.02	<0.965	<0.792	<0.693
Radium-228	pCi/L	**0.617**	**0.537**	**0.749**	**1.04**	**1.22**	**1.03**	**1.01**
Selenium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, Total	µg/L	NA	NA	NA	NA	NA	NA	NA
Radium, Total	pCi/L	**1.15**	<2.02	**2.37**	**1.36**	**1.50**	**1.03**	**1.01**
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**276**	**243**	**218**	**221**	**238**	**237**	**316**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**276**	**232**	**208**	**207**	**238**	**237**	**316**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	**10.4**	**10.4**	**14.4**	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	**1.7**	**2.7**	**1.7**	**1.7**	**2.1**	**1.4**	**2.2**
Iron, Total	µg/L	**917**	**169**	**1,290**	**1,300**	<100	<100	<100
Magnesium, Total	µg/L	**25,400**	**21,600**	**20,200**	**16,400**	**73,600**	**21,400**	**29,000**
Manganese, Total	µg/L	**153**	**603**	**200**	**103**	**1,910**	**22.1**	**57.9**
Nitrogen, Nitrate	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	**2.5**	<0.10
Potassium, Total	µg/L	**3,700**	**6,470**	**6,380**	**3,670**	**14,900**	**5,840**	**3,190**
Sodium, Total	µg/L	**44,400**	**88,100**	**70,600**	**74,000**	**238,000**	**123,000**	**53,400**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NA = Not analyzed
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

Eagle Valley Generating Station
Martinsville, Indiana

TABLE 4

August Mack Project No.:
JZ2290.380

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack ENVIRONMENTAL	Sample ID:	MW-1S	MW-1I	MW-1D	MW-2S	MW-2I	MW-2D	MW-3S	MW-3I
	Date Collected:	4/22/2025	4/22/2025	4/22/2025	4/14/2025	4/14/2025	4/14/2025	4/18/2025	4/18/2025
Field Parameters	**Units**								
Static Water Elevation	ft AMSL	**588.68**	**588.59**	**588.57**	**589.35**	**589.32**	**589.34**	**590.15**	**589.79**
Temperature, Field	°C	**15.1**	**15.7**	**15.4**	**15.6**	**15.1**	**15.4**	**15.1**	**15.3**
Dissolved Oxygen, Field	mg/L	**0.91**	**0.00**	**0.10**	**2.94**	**0.08**	**1.56**	**0.85**	**0.24**
Conductivity, Field	µS/cm	**1,240.15**	**894.87**	**735.25**	**1,773.88**	**1,497.18**	**1,101.50**	**1,274.40**	**864.52**
ORP, Field	mV	**290.57**	**234.88**	**-98.62**	**108.53**	**0.17**	**-62.96**	**295.10**	**211.70**
pH, Field	S.U.	**6.80**	**7.44**	**7.49**	**7.37**	**7.98**	**8.04**	**7.15**	**7.36**
Turbidity, Field	NTU	**14.80**	**6.43**	**8.85**	**0.05**	**10.99**	**11.86**	**1.53**	**0.00**
Appendix III Constituents	**Units**								
Boron, Total	µg/L	**2,050**	**328**	**224**	**456**	**189**	**122**	**762**	**151**
Calcium, Total	µg/L	**184,000**	**83,500**	**68,800**	**130,000**	**80,900**	**69,300**	**156,000**	**65,200**
Chloride	mg/L	**65.3**	**109**	**70.9**	**95.1**	**132**	**57.2**	**51.2**	**127**
Fluoride	mg/L	<0.10	**0.27**	**0.38**	**0.22**	**0.28**	**0.32**	**0.19**	**0.36**
Sulfate	mg/L	**168**	**98.4**	**68.2**	**92.8**	**94.5**	**47.6**	**95.3**	**95.9**
Total Dissolved Solids	mg/L	**856**	**570**	**447**	**698**	**569**	**416**	**719**	**600**
pH at 25 Degrees C	S.U.	**7.1**	**7.6**	**7.8**	**7.3**	**7.9**	**7.9**	**7.2**	**7.8**
Appendix IV Constituents	**Units**								
Antimony, Total	µg/L	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	**3.0**	<1.0	**1.8**	**11.8**	<1.0	**4.2**	<1.0	<1.0
Barium, Total	µg/L	**63.6**	**55.8**	**59.3**	**119**	**72.5**	**77.8**	**121**	**67.3**
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	**0.27**	**0.38**	**0.22**	**0.28**	**0.32**	**0.19**	**0.36**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	**65.4**	**82.1**	**77.7**	<20.0	<20.0	<20.0	**20.0**	<20.0
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	**17.8**	**88.0**	**86.3**	**18.6**	**72.3**	**29.3**	**20.8**	**44.3**
Molybdenum, Dissolved	µg/L	**19.0**	**87.5**	**84.7**	**19.5**	**70.9**	**28.5**	**21.2**	**47.6**
Radium-226	pCi/L	<1.27	**0.902**	<0.912	<1.61	**0.949**	**0.955**	<1.02	<0.877
Radium-228	pCi/L	<0.892	<0.992	**0.910**	**0.585**	**0.818**	**0.761**	<1.05	**0.469**
Selenium, Total	µg/L	**16.7**	<1.0	<1.0	**12.1**	<1.0	<1.0	**8.5**	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	<2.16	**1.30**	**1.07**	<2.64	**1.77**	**1.72**	<2.07	<1.76
Geochemical Constituents	**Units**								
Alkalinity, Total as CaCO3	mg/L	**480**	**228**	**235**	**408**	**239**	**263**	**471**	**256**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**480**	**228**	**235**	**408**	**239**	**263**	**471**	**239**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**16.8**
Dissolved Organic Carbon	mg/L	**2.4**	**1.6**	**2.6**	**2.1**	**1.7**	**2.0**	**2.0**	**2.0**
Iron, Total	µg/L	**325**	**458**	**559**	<100	**107**	**960**	<100	<100
Magnesium, Total	µg/L	**38,900**	**27,800**	**22,200**	**27,600**	**25,100**	**20,700**	**28,200**	**20,800**
Manganese, Total	µg/L	**14.7**	**292**	**323**	<10.0	**81.3**	**219**	**213**	**29.5**
Nitrogen, Nitrate	mg/L	**2.6**	<0.10	<0.10	**1.4**	**0.12**	<0.10	**4.1**	**0.88**
Potassium, Total	µg/L	**6,760**	**8,200**	**7,780**	**4,890**	**6,340**	**6,810**	**4,460**	**4,850**
Sodium, Total	µg/L	**52,800**	**71,300**	**60,000**	**81,500**	**87,600**	**57,200**	**46,000**	**108,000**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-3D	MW-4S	MW-4I	MW-4D	MW-6S	MW-6I	MW-6D
	Date Collected:	4/18/2025	4/14/2025	4/14/2025	4/14/2025	4/10/2025	4/10/2025	4/10/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	588.93	590.20	590.15	590.16	<587.09	586.98	587.05
Temperature, Field	°C	15.4	13.8	13.2	13.8	10.8	13.4	13.1
Dissolved Oxygen, Field	mg/L	0.24	1.79	0.11	0.17	10.88	0.00	0.17
Conductivity, Field	µS/cm	765.96	1,079.48	1,217.03	1,128.59	589.44	1,285.66	984.97
ORP, Field	mV	-141.20	95.30	-95.56	-98.03	116.51	82.55	-46.93
pH, Field	S.U.	7.92	7.82	7.79	7.72	7.72	7.47	7.85
Turbidity, Field	NTU	1.27	5.02	6.40	4.72	2.61	0.00	0.00
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	541	128	145	488	1,600	1,090
Calcium, Total	µg/L	73,100	79,400	108,000	120,000	73,100	135,000	88,300
Chloride	mg/L	37.4	51.3	190	126	24.2	72.3	101
Fluoride	mg/L	0.22	0.35	0.30	0.26	0.29	0.23	0.16
Sulfate	mg/L	30.1	89.6	59.4	75.3	32.2	120	90.8
Total Dissolved Solids	mg/L	385	437	614	579	298	706	516
pH at 25 Degrees C	S.U.	7.8	7.8	7.6	7.5	7.7	7.4	7.7
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	4.9	2.6	1.5	5.5	<1.0	<1.0	<1.0
Barium, Total	µg/L	94.4	54.8	97.1	77.4	33.0	75.5	69.2
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	0.22	0.35	0.30	0.26	0.29	0.23	0.16
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	<20.0	<20.0	<20.0	21.2	117	78.3
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	11.3	87.2	<10.0	<10.0	86.1	115	187
Molybdenum, Dissolved	µg/L	11.2	88.1	10.3	<10.0	85.8	115	184
Radium-226	pCi/L	0.689	0.526	<1.23	0.434	1.65	0.814	0.592
Radium-228	pCi/L	<0.732	0.466	0.429	0.514	<0.900	0.667	0.442
Selenium, Total	µg/L	<1.0	1.7	<1.0	<1.0	2.9	<1.0	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	1.04	0.992	<1.94	0.948	1.65	1.48	1.03
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	299	205	258	286	232	414	231
Alkalinity, Bicarbonate (CaCO3)	mg/L	282	205	258	265	232	414	231
Alkalinity, Carbonate (CaCO3)	mg/L	17.6	<10.0	<10.0	21.2	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	1.7	2.8	<2.0	1.4	1.9	<1.0	<1.0
Iron, Total	µg/L	1,190	<100	707	1,530	<100	<100	128
Magnesium, Total	µg/L	25,100	19,100	38,000	38,400	19,300	32,800	16,900
Manganese, Total	µg/L	180	<10.0	200	252	<10.0	58.2	340
Nitrogen, Nitrate	mg/L	<0.10	1.2	<0.10	<0.10	0.60	<0.10	<0.10
Potassium, Total	µg/L	3,290	3,840	4,190	3,050	2,350	12,800	5,940
Sodium, Total	µg/L	29,000	39,800	49,800	30,400	17,100	73,000	72,100

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-7S	MW-8S	MW-9S	MW-9I	MW-9D	MW-10S	MW-10I
	Date Collected:	4/9/2025	4/1/2025	4/1/2025	4/1/2025	4/1/2025	4/4/2025	4/4/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	588.68	<590.37	589.54	589.54	589.63	<585.80	585.49
Temperature, Field	°C	13.5	14.5	19.5	19.7	18.2	14.04	13.9
Dissolved Oxygen, Field	mg/L	2.07	0.21	4.96	0.19	0.19	4.03	0.58
Conductivity, Field	µS/cm	2,936.76	2,901.15	4,728.80	1,589.96	1,013.43	2,208.56	2,839.77
ORP, Field	mV	182.20	105.94	76.50	134.54	16.24	162.93	177.43
pH, Field	S.U.	7.06	7.84	8.04	7.99	7.36	7.46	7.34
Turbidity, Field	NTU	7.18	1.93	0.18	0.08	0.01	53.37	4.96
Appendix III Constituents	**Units**							
Boron, Total	µg/L	2,550	2,360	4,870	235	<100	4,850	1,630
Calcium, Total	µg/L	248,000	278,000	489,000	111,000	117,000	190,000	196,000
Chloride	mg/L	144	303	477	189	61.5	93.7	209
Fluoride	mg/L	<0.10	0.37	0.52	0.27	<0.10	0.19	0.26
Sulfate	mg/L	471	846	1,610	289	48.9	371	524
Total Dissolved Solids	mg/L	1,300	1,840	3,410	902	529	996	1,300
pH at 25 Degrees C	S.U.	7.1	7.4	7.6	7.7	7.2	7.2	7.6
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	2.2	<1.0	<1.0	<1.0	<1.0	2.2	<1.0
Arsenic, Total	µg/L	<1.0	3.8	14.8	<1.0	<1.0	<1.0	<1.0
Barium, Total	µg/L	87.9	113	172	70.5	132	72.4	40.8
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	0.37	0.52	0.27	<0.10	0.19	0.26
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	62.1	71.7	155	<20.0	<20.0	95.3	58.4
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	18.9	129	288	20.6	<10.0	49.5	121
Molybdenum, Dissolved	µg/L	18.6	131	287	21.4	<10.0	49.4	119
Radium-226	pCi/L	0.553	0.259	<1.07	<0.809	0.571	<1.17	1.07
Radium-228	pCi/L	0.527	0.592	0.847	0.808	0.677	0.747	1.000
Selenium, Total	µg/L	15.9	1.1	5.7	<1.0	<1.0	21.9	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	1.08	0.851	<1.84	1.000	1.25	1.17	2.07
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	415	241	218	216	350	375	279
Alkalinity, Bicarbonate (CaCO3)	mg/L	415	241	218	216	350	375	279
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	2.3	<2.0	2.9	1.8	<1.0	1.1	3.2
Iron, Total	µg/L	171	<100	<100	<100	245	<100	<100
Magnesium, Total	µg/L	57,000	68,900	118,000	31,300	24,800	47,000	52,000
Manganese, Total	µg/L	119	132	<10.0	321	257	<10.0	82.4
Nitrogen, Nitrate	mg/L	5.0	0.46	4.5	2.1	0.13	0.26	0.19
Potassium, Total	µg/L	7,940	14,000	24,900	8,070	2,770	8,300	10,100
Sodium, Total	µg/L	116,000	224,000	374,000	153,000	42,200	75,800	146,000

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-10D	MW-11S	MW-11I	MW-11D	MW-12S	MW-12I	MW-12D
	Date Collected:	4/8/2025	4/3/2025	4/3/2025	4/18/2025	4/17/2025	4/17/2025	4/17/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	585.50	588.30	588.31	588.30	587.51	587.86	588.07
Temperature, Field	°C	10.0	14.7	14.3	14.6	12.3	13.5	13.6
Dissolved Oxygen, Field	mg/L	0.12	0.23	0.12	0.00	6.07	0.14	0.00
Conductivity, Field	µS/cm	1,402.78	1,303.13	1,002.81	818.10	1,110.00	889.69	984.24
ORP, Field	mV	143.53	161.46	-140.23	-131.00	124.90	-34.98	-107.10
pH, Field	S.U.	7.24	7.44	7.78	7.49	7.56	7.25	7.87
Turbidity, Field	NTU	5.11	0.41	10.05	9.76	2.55	0.16	0.00
Appendix III Constituents	**Units**							
Boron, Total	µg/L	343	998	538	510	3,090	984	919
Calcium, Total	µg/L	99,400	122,000	74,600	77,200	123,000	113,000	87,900
Chloride	mg/L	97.7	108	106	97.5	40.8	109	101
Fluoride	mg/L	0.18	0.20	0.43	0.27	0.24	0.26	0.23
Sulfate	mg/L	73.1	127	89.3	85.9	94.3	136	90.8
Total Dissolved Solids	mg/L	551	693	515	501	585	634	498
pH at 25 Degrees C	S.U.	7.6	7.2	7.7	7.6	7.4	7.4	7.7
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	1.4	<1.0	<1.0	1.3	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	44.6	1.8	4.7	1.6	<1.0	3.0
Barium, Total	µg/L	63.9	114	58.4	69.6	114	65.6	64.0
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	0.18	0.20	0.43	0.27	0.24	0.26	0.23
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	43.3	82.2	95.6	77.6	95.5	116	83.1
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	83.4	32.8	117	119	43.4	160	170
Molybdenum, Dissolved	µg/L	81.2	30.5	111	124	40.9	149	159
Radium-226	pCi/L	<0.886	<1.12	0.986	<1.24	<0.865	<1.02	<0.887
Radium-228	pCi/L	0.644	0.758	0.449	0.662	<0.713	0.708	<0.728
Selenium, Total	µg/L	<1.0	12.0	<1.0	<1.0	9.2	<1.0	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	0.998	0.949	1.44	0.938	<1.58	0.804	<1.62
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	281	351	227	227	412	311	233
Alkalinity, Bicarbonate (CaCO3)	mg/L	281	351	227	212	412	311	233
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	14.8	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	<1.0	1.7	1.1	1.6	2.4	1.5	1.5
Iron, Total	µg/L	142	<100	292	1,280	122	186	439
Magnesium, Total	µg/L	25,900	31,700	23,800	19,700	28,300	27,900	17,200
Manganese, Total	µg/L	130	<10.0	297	274	23.4	257	316
Nitrogen, Nitrate	mg/L	<0.10	0.67	<0.10	<0.10	3.7	<0.10	0.13
Potassium, Total	µg/L	7,060	8,480	8,470	6,480	9,440	10,100	6,080
Sodium, Total	µg/L	61,400	83,300	75,700	63,400	54,100	76,700	69,900

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-13S	MW-13I	MW-13D	MW-14S	MW-14I	MW-14D	MW-15S
	Date Collected:	4/4/2025	4/4/2025	4/8/2025	4/9/2025	4/9/2025	4/9/2025	4/16/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**585.75**	**585.76**	**585.76**	**585.77**	**585.67**	**585.71**	**587.08**
Temperature, Field	°C	**12.3**	**13.1**	**12.8**	**12.6**	**12.8**	**12.8**	**12.3**
Dissolved Oxygen, Field	mg/L	**8.11**	**4.78**	**1.52**	**9.73**	**0.78**	**0.16**	**10.99**
Conductivity, Field	µS/cm	**862.06**	**603.47**	**600.62**	**642.73**	**1,247.50**	**1,342.80**	**651.53**
ORP, Field	mV	**114.53**	**119.13**	**57.48**	**165.30**	**142.00**	**165.40**	**164.80**
pH, Field	S.U.	**7.53**	**7.62**	**7.82**	**7.62**	**7.86**	**7.53**	**7.65**
Turbidity, Field	NTU	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**12.99**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	<100	<100	**234**	**3,580**	**5,250**	**132**
Calcium, Total	µg/L	**92,100**	**69,600**	**70,000**	**90,800**	**84,000**	**131,000**	**87,300**
Chloride	mg/L	**24.9**	**21.2**	**23.9**	**1.3**	**55.6**	**136**	**4.8**
Fluoride	mg/L	<0.10	<0.10	<0.10	**0.12**	<0.10	<0.10	**0.20**
Sulfate	mg/L	**15.4**	**24.5**	**28.3**	**9.9**	**81.0**	**208**	**4.5**
Total Dissolved Solids	mg/L	**446**	**310**	**311**	**316**	**485**	**745**	**313**
pH at 25 Degrees C	S.U.	**7.4**	**7.6**	**7.6**	**7.5**	**7.6**	**7.5**	**7.5**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium, Total	µg/L	**46.2**	**30.2**	**54.0**	**27.2**	**41.3**	**22.3**	**42.5**
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10	**0.12**	<0.10	<0.10	**0.20**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	<20.0	<20.0	**24.0**	**78.5**	**25.8**	<20.0
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	<10.0	<10.0	<10.0	**43.6**	**129**	**15.2**	**34.8**
Molybdenum, Dissolved	µg/L	<10.0	<10.0	<10.0	**42.2**	**125**	**14.7**	**35.7**
Radium-226	pCi/L	<0.910	<0.920	<1.20	**0.625**	<1.03	<0.952	<0.761
Radium-228	pCi/L	**0.453**	**1.37**	<0.689	<0.694	<0.646	**0.507**	**0.788**
Selenium, Total	µg/L	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	<1.67	**1.59**	<1.89	**0.743**	<1.68	<1.54	**0.851**
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**357**	**244**	**253**	**313**	**282**	**256**	**319**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**357**	**244**	**253**	<10.0	**282**	**256**	**319**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	**1.3**	<1.0	<1.0	**1.2**	**1.00**	**1.4**	<1.0
Iron, Total	µg/L	<100	<100	<100	<100	<100	<100	<100
Magnesium, Total	µg/L	**24,400**	**19,000**	**20,900**	**25,000**	**20,600**	**29,100**	**21,100**
Manganese, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	**107**	<10.0
Nitrogen, Nitrate	mg/L	**7.4**	**2.3**	**0.64**	**5.4**	<0.10	**0.88**	**6.1**
Potassium, Total	µg/L	**3,080**	**1,980**	**1,530**	**1,990**	**4,470**	**3,830**	**2,000**
Sodium, Total	µg/L	**28,500**	**22,600**	**21,700**	**6,140**	**68,100**	**92,600**	**4,220**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-15I	MW-15D	MW-16S	MW-16I	MW-16D	MW-17S	MW-17I
	Date Collected:	4/16/2025	4/16/2025	4/3/2025	4/3/2025	4/3/2025	4/24/2025	4/23/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**587.26**	**587.20**	**589.58**	**589.61**	**589.62**	**587.98**	**588.04**
Temperature, Field	°C	**14.1**	**14.2**	**15.2**	**14.9**	**15.0**	**12.6**	**13.1**
Dissolved Oxygen, Field	mg/L	**0.28**	**0.26**	**0.23**	**2.55**	**1.20**	**0.04**	**0.31**
Conductivity, Field	µS/cm	**1,186.60**	**973.03**	**1,022.35**	**983.62**	**615.76**	**713.05**	**679.13**
ORP, Field	mV	**30.10**	**-54.30**	**61.76**	**43.47**	**-122.56**	**324.68**	**257.71**
pH, Field	S.U.	**7.59**	**7.83**	**7.30**	**7.40**	**7.46**	**7.12**	**7.30**
Turbidity, Field	NTU	**0.44**	**4.39**	**1.01**	**0.00**	**0.00**	**0.15**	**0.49**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	**1,820**	**2,240**	**221**	**147**	**107**	**471**	**705**
Calcium, Total	µg/L	**121,000**	**76,200**	**80,100**	**84,000**	**69,200**	**108,000**	**89,800**
Chloride	mg/L	**81.7**	**98.2**	**136**	**128**	**50.7**	**36.5**	**47.6**
Fluoride	mg/L	**0.25**	**0.28**	**0.30**	**0.25**	**0.28**	**0.16**	**0.15**
Sulfate	mg/L	**108**	**96.1**	**121**	**112**	**46.5**	**36.7**	**48.6**
Total Dissolved Solids	mg/L	**636**	**511**	**646**	**592**	**392**	**443**	**431**
pH at 25 Degrees C	S.U.	**7.4**	**7.8**	**7.7**	**7.8**	**7.8**	**7.4**	**7.5**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	<1.0	<1.0	<1.0	**4.3**	<1.0	<1.0
Barium, Total	µg/L	**76.1**	**53.5**	**71.3**	**80.4**	**74.2**	**119**	**58.6**
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	**0.25**	**0.28**	**0.30**	**0.25**	**0.28**	**0.16**	**0.15**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	**102**	**62.7**	**30.4**	**44.9**	**24.1**	<20.0	<20.0
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	**152**	**193**	**88.3**	**95.0**	**30.9**	**20.9**	<10.0
Molybdenum, Dissolved	µg/L	**157**	**200**	**83.6**	**91.3**	**30.5**	**21.6**	<10.0
Radium-226	pCi/L	**1.29**	<1.53	<0.735	**0.912**	**0.653**	<1.43	<1.08
Radium-228	pCi/L	**1.08**	**0.397**	**0.962**	**0.360**	**1.29**	**1.08**	<0.861
Selenium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	**2.37**	<2.16	**1.01**	**1.27**	**1.94**	**1.08**	<1.94
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**376**	**232**	**256**	**254**	**270**	**311**	**276**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**376**	**214**	**256**	**254**	**248**	**311**	**276**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	**17.2**	<10.0	<10.0	**21.6**	<10.0	<10.0
Dissolved Organic Carbon	mg/L	**1.4**	**1.4**	**1.3**	**1.4**	<1.0	<1.0	**1.3**
Iron, Total	µg/L	<100	**159**	<100	<100	**1,010**	<100	<100
Magnesium, Total	µg/L	**27,400**	**14,100**	**21,000**	**25,300**	**19,500**	**22,500**	**21,400**
Manganese, Total	µg/L	**98.2**	**305**	**429**	**96.7**	**155**	<10.0	<10.0
Nitrogen, Nitrate	mg/L	**0.14**	**0.55**	**1.6**	<0.10	<0.10	**5.4**	**1.9**
Potassium, Total	µg/L	**10,800**	**5,820**	**6,820**	**7,400**	**6,450**	**3,630**	**2,500**
Sodium, Total	µg/L	**54,800**	**76,200**	**113,000**	**85,300**	**52,700**	**24,500**	**32,800**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-17D	MW-18S	MW-18I	MW-18D	MW-19S	MW-19I	MW-19D
	Date Collected:	4/23/2025	4/10/2025	4/10/2025	4/16/2025	4/8/2025	4/8/2025	4/8/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**588.17**	**587.83**	**587.53**	**587.83**	**587.25**	**587.25**	**587.26**
Temperature, Field	°C	**13.2**	**10.3**	**12.6**	**12.4**	**11.7**	**12.9**	**12.9**
Dissolved Oxygen, Field	mg/L	**0.87**	**10.73**	**0.97**	**0.00**	**6.97**	**0.10**	**0.09**
Conductivity, Field	µS/cm	**827.37**	**613.63**	**831.91**	**1,134.48**	**727.49**	**584.98**	**818.94**
ORP, Field	mV	**-112.54**	**91.49**	**66.59**	**-91.56**	**108.38**	**-21.34**	**-36.06**
pH, Field	S.U.	**7.33**	**7.33**	**7.24**	**7.40**	**6.96**	**7.31**	**7.35**
Turbidity, Field	NTU	**8.94**	**2.18**	**17.06**	**12.65**	**14.80**	**0.00**	**1.01**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	**3,280**	**115**	**744**	**4,950**	**178**	**1,640**	**3,150**
Calcium, Total	µg/L	**112,000**	**88,200**	**111,000**	**108,000**	**120,000**	**73,000**	**86,300**
Chloride	mg/L	**91.1**	**39.1**	**61.5**	**187**	**22.1**	**40.3**	**86.9**
Fluoride	mg/L	<0.10	**0.10**	<0.10	**0.14**	<0.10	<0.10	<0.10
Sulfate	mg/L	**168**	**49.9**	**92.3**	**230**	**26.8**	**39.9**	**94.1**
Total Dissolved Solids	mg/L	**632**	**373**	**527**	**748**	**443**	**356**	**517**
pH at 25 Degrees C	S.U.	**7.4**	**7.7**	**7.7**	**7.7**	**7.3**	**7.6**	**7.6**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	**4.4**	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0
Barium, Total	µg/L	**66.1**	**39.3**	**94.4**	**108**	**34.0**	**74.0**	**50.2**
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	**0.10**	<0.10	**0.14**	<0.10	<0.10	<0.10
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	**37.5**	<20.0	**41.9**	**86.2**	<20.0	**73.8**	**49.3**
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	<10.0	<10.0	**52.4**	**157**	<10.0	**140**	**57.3**
Molybdenum, Dissolved	µg/L	<10.0	<10.0	**53.2**	**163**	<10.0	**138**	**56.2**
Radium-226	pCi/L	**0.774**	**1.41**	**0.349**	**0.334**	<1.11	<1.58	<1.24
Radium-228	pCi/L	**1.40**	**0.654**	**0.625**	**1.21**	**1.08**	<0.970	**0.390**
Selenium, Total	µg/L	<1.0	**4.8**	**1.1**	<1.0	**1.4**	<1.0	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	**2.17**	**2.06**	**0.974**	**1.54**	**1.08**	<2.55	<1.87
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**234**	**259**	**314**	**206**	**397**	**226**	**245**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**234**	**259**	**314**	**206**	**397**	**206**	**245**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	**20.4**	<10.0
Dissolved Organic Carbon	mg/L	**3.0**	**1.2**	<1.0	<1.0	**1.3**	**1.00**	<1.0
Iron, Total	µg/L	**2,170**	<100	**297**	**774**	**238**	<100	**124**
Magnesium, Total	µg/L	**28,600**	**19,600**	**28,000**	**21,200**	**31,800**	**16,200**	**19,700**
Manganese, Total	µg/L	**376**	<10.0	**19.3**	**448**	**31.9**	**54.0**	**290**
Nitrogen, Nitrate	mg/L	<0.10	**1.1**	**0.21**	<0.10	**4.4**	<0.10	<0.10
Potassium, Total	µg/L	**3,080**	**2,530**	**4,680**	**7,270**	**2,180**	**5,160**	**3,480**
Sodium, Total	µg/L	**56,100**	**27,100**	**40,700**	**100,000**	**10,100**	**38,500**	**65,800**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-20S	MW-20I	MW-20D	MW-21S	MW-21I	MW-21D	MW-22S
	Date Collected:	4/8/2025	4/8/2025	4/8/2025	4/24/2025	4/24/2025	4/24/2025	4/28/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**587.04**	**587.10**	**587.07**	**587.17**	**587.22**	**587.19**	**592.66**
Temperature, Field	°C	**13.82**	**13.2**	**12.4**	**12.7**	**13.6**	**13.3**	**12.7**
Dissolved Oxygen, Field	mg/L	**9.11**	**1.01**	**1.52**	**1.45**	**0.78**	**0.09**	**0.31**
Conductivity, Field	µS/cm	**1,122.31**	**904.62**	**668.73**	**936.32**	**1,019.91**	**1,513.89**	**983.47**
ORP, Field	mV	**192.19**	**152.00**	**149.92**	**64.45**	**4.19**	**-126.42**	**329.09**
pH, Field	S.U.	**6.93**	**7.60**	**7.77**	**8.13**	**7.92**	**7.90**	**7.30**
Turbidity, Field	NTU	**18.07**	**55.61**	**5.55**	**2.88**	**57.86**	**78.35**	**0.00**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	<100	<100	<100	<100	**324**	<100
Calcium, Total	µg/L	**109,000**	**84,000**	**82,900**	**64,900**	**97,700**	**138,000**	**125,000**
Chloride	mg/L	**13.8**	**20.4**	**22.5**	**56.9**	**17.4**	**44.0**	**40.1**
Fluoride	mg/L	<0.10	<0.10	<0.10	**0.18**	<0.10	<0.10	**0.10**
Sulfate	mg/L	**12.5**	**25.9**	**28.3**	**37.1**	**31.2**	**212**	**38.7**
Total Dissolved Solids	mg/L	**421**	**344**	**354**	**341**	**988**	**652**	**497**
pH at 25 Degrees C	S.U.	**7.3**	**7.6**	**7.5**	**7.8**	**7.6**	**7.5**	**7.2**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	**4.9**	<1.0
Barium, Total	µg/L	**23.1**	**49.6**	**36.1**	**28.0**	**92.6**	**34.1**	**48.3**
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10	**0.18**	<0.10	<0.10	**0.10**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Molybdenum, Dissolved	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Radium-226	pCi/L	<0.711	<1.20	<0.625	<0.758	<1.09	**0.899**	<0.859
Radium-228	pCi/L	**0.545**	<0.969	<0.909	**0.713**	**0.552**	**0.788**	**0.446**
Selenium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	**8.8**	<1.0	**2.1**
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	<1.54	<2.17	<1.53	<1.72	**0.852**	**1.69**	**0.717**
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**356**	**287**	**282**	**213**	**297**	**275**	**412**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**356**	**266**	**282**	**213**	**297**	**275**	**412**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	**20.8**	<10.0	<10.0	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	**1.4**	**1.5**	**1.3**	**1.1**	<1.0	<1.0	<1.0
Iron, Total	µg/L	**152**	**347**	<100	<100	**713**	**3,570**	<100
Magnesium, Total	µg/L	**27,300**	**24,400**	**26,100**	**20,400**	**29,300**	**32,200**	**30,400**
Manganese, Total	µg/L	**10.2**	**21.3**	<10.0	**335**	**141**	**499**	**880**
Nitrogen, Nitrate	mg/L	**11.3**	**3.5**	**3.6**	**0.40**	**8.6**	<0.10	**1.4**
Potassium, Total	µg/L	**1,800**	**3,750**	**2,610**	**2,670**	**1,930**	**2,990**	**1,650**
Sodium, Total	µg/L	**14,000**	**10,300**	**10,300**	**38,100**	**12,300**	**40,800**	**28,300**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-22I	MW-22D	MW-23S	MW-23I	MW-23D	MW-24S	MW-24I
	Date Collected:	4/28/2025	4/28/2025	4/24/2025	4/24/2025	4/23/2025	4/24/2025	4/24/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**592.65**	**592.64**	**587.58**	**587.51**	**587.58**	**590.96**	**590.71**
Temperature, Field	°C	**15.3**	**18.6**	**13.3**	**13.8**	**14.4**	**11.1**	**15.4**
Dissolved Oxygen, Field	mg/L	**1.40**	**0.11**	**4.91**	**0.00**	**6.72**	**0.80**	**0.71**
Conductivity, Field	µS/cm	**572.89**	**606.34**	**752.00**	**653.42**	**601.55**	**889.17**	**1,007.60**
ORP, Field	mV	**287.74**	**-144.34**	**329.46**	**288.28**	**99.23**	**334.87**	**-113.38**
pH, Field	S.U.	**7.24**	**7.86**	**7.54**	**7.81**	**7.86**	**7.51**	**7.36**
Turbidity, Field	NTU	**15.95**	**13.51**	**1.10**	**7.63**	**8.91**	**0.36**	**0.00**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	<100	<100	<100	<100	<100	**177**
Calcium, Total	µg/L	**92,000**	**74,700**	**106,000**	**85,100**	**73,000**	**70,400**	**91,600**
Chloride	mg/L	**10.0**	**19.6**	**4.2**	**13.5**	**23.1**	**124**	**171**
Fluoride	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	**0.34**	**0.28**
Sulfate	mg/L	**28.8**	**45.6**	**8.1**	**31.0**	**38.1**	**82.5**	**147**
Total Dissolved Solids	mg/L	**340**	**309**	**384**	**335**	**329**	**542**	**705**
pH at 25 Degrees C	S.U.	**7.6**	**7.6**	**7.3**	**7.6**	**7.8**	**7.6**	**7.5**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	<1.0	**4.3**	<1.0	<1.0	<1.0	<1.0	**2.1**
Barium, Total	µg/L	**59.6**	**97.9**	**42.8**	**30.4**	**49.2**	**74.8**	**115**
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	**0.34**	**0.28**
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	**27.0**	**58.7**
Molybdenum, Dissolved	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	**27.6**	**61.0**
Radium-226	pCi/L	**0.507**	<1.22	**0.602**	<0.982	<1.67	<1.40	**0.639**
Radium-228	pCi/L	<0.777	**0.809**	**0.879**	**1.12**	**0.992**	**1.51**	**1.38**
Selenium, Total	µg/L	**7.9**	<1.0	<1.0	**9.5**	**10.9**	**4.4**	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	<1.83	**0.917**	**1.48**	**1.16**	<2.49	**1.51**	**2.02**
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**289**	**252**	**339**	**257**	**223**	**205**	**229**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**289**	**252**	**339**	**257**	**223**	**205**	**229**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	<1.0	**3.7**	<1.0	<1.0	**1.1**	**1.1**	**2.4**
Iron, Total	µg/L	**352**	**1,090**	<100	<100	**111**	<100	**748**
Magnesium, Total	µg/L	**26,400**	**23,000**	**30,700**	**24,600**	**21,400**	**24,500**	**28,000**
Manganese, Total	µg/L	**269**	**290**	<10.0	**37.1**	**194**	**22.8**	**209**
Nitrogen, Nitrate	mg/L	**6.3**	**0.11**	**10.9**	**7.1**	**1.2**	**3.2**	<0.10
Potassium, Total	µg/L	**1,600**	**1,880**	<1,000	**1,470**	**1,370**	**4,320**	**6,450**
Sodium, Total	µg/L	**6,330**	**9,710**	**3,780**	**9,950**	**14,300**	**89,200**	**112,000**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

ANALYTICAL RESULTS SUMMARY
APRIL 2025

August Mack Environmental	Sample ID:	MW-24D	MW-25S	MW-25I	MW-25D	MW-26S	MW-26I	MW-26D
	Date Collected:	4/28/2025	4/1/2025	4/1/2025	4/1/2025	4/3/2025	4/3/2025	4/3/2025
Field Parameters	**Units**							
Static Water Elevation	ft AMSL	**590.90**	**589.18**	**589.15**	**589.00**	**586.08**	**586.24**	**586.17**
Temperature, Field	°C	**13.3**	**13.8**	**13.4**	**13.3**	**18.8**	**16.8**	**17.1**
Dissolved Oxygen, Field	mg/L	**1.97**	**2.61**	**1.71**	**1.38**	**0.02**	**0.04**	**0.08**
Conductivity, Field	µS/cm	**633.72**	**1,020.54**	**820.34**	**760.44**	**4,397.95**	**1,704.97**	**1,446.67**
ORP, Field	mV	**-134.74**	**7.59**	**-105.90**	**-174.11**	**1.66**	**63.06**	**-89.13**
pH, Field	S.U.	**7.57**	**7.28**	**7.43**	**7.42**	**7.64**	**7.76**	**7.36**
Turbidity, Field	NTU	**0.00**	**2.52**	**1.74**	**0.00**	**0.10**	**0.04**	**2.92**
Appendix III Constituents	**Units**							
Boron, Total	µg/L	<100	**245**	**785**	**991**	**3,010**	**106**	<100
Calcium, Total	µg/L	**69,100**	**90,700**	**75,300**	**73,700**	**300,000**	**89,400**	**119,000**
Chloride	mg/L	**39.4**	**139**	**101**	**80.0**	**327**	**162**	**92.8**
Fluoride	mg/L	**0.27**	**0.26**	<0.10	<0.10	**0.42**	**0.39**	<0.10
Sulfate	mg/L	**28.9**	**119**	**81.5**	**73.6**	**971**	**133**	**67.1**
Total Dissolved Solids	mg/L	**383**	**620**	**503**	**469**	**2,090**	**671**	**543**
pH at 25 Degrees C	S.U.	**7.7**	**7.5**	**7.6**	**7.7**	**7.4**	**7.6**	**7.4**
Appendix IV Constituents	**Units**							
Antimony, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	µg/L	**2.6**	<1.0	**1.9**	**1.4**	<1.0	<1.0	<1.0
Barium, Total	µg/L	**109**	**109**	**85.5**	**59.7**	**37.9**	**97.0**	**117**
Beryllium, Total	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium, Total	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chromium, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	µg/L	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0
Fluoride	mg/L	**0.27**	**0.26**	<0.10	<0.10	**0.42**	**0.39**	<0.10
Lead, Total	µg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	µg/L	<20.0	**58.2**	**80.4**	**65.6**	**99.9**	<20.0	<20.0
Mercury	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Molybdenum, Total	µg/L	**10.1**	**86.1**	**134**	**161**	**199**	**29.7**	**20.8**
Molybdenum, Dissolved	µg/L	**10.3**	**95.0**	**141**	**173**	**193**	**28.3**	**19.3**
Radium-226	pCi/L	**0.506**	**0.722**	<1.11	**0.790**	<1.04	<0.649	**0.551**
Radium-228	pCi/L	**1.07**	**0.756**	<0.972	**0.790**	**0.579**	<0.615	**1.42**
Selenium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, Total	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Radium, Total	pCi/L	**1.58**	**1.48**	<2.08	**1.58**	**0.730**	<1.26	**1.97**
Geochemical Constituents	**Units**							
Alkalinity, Total as CaCO3	mg/L	**300**	**245**	**228**	**230**	**232**	**208**	**325**
Alkalinity, Bicarbonate (CaCO3)	mg/L	**300**	**245**	**228**	**230**	**232**	**208**	**325**
Alkalinity, Carbonate (CaCO3)	mg/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Dissolved Organic Carbon	mg/L	<1.0	**1.4**	<1.0	<1.0	**4.4**	**1.3**	**1.3**
Iron, Total	µg/L	**827**	**124**	**658**	**1,270**	<100	<100	<100
Magnesium, Total	µg/L	**23,100**	**23,900**	**20,600**	**15,700**	**71,100**	**27,500**	**31,400**
Manganese, Total	µg/L	**127**	**584**	**199**	**98.0**	**1,590**	**25.5**	**62.8**
Nitrogen, Nitrate	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	**2.1**	**0.17**
Potassium, Total	µg/L	**3,500**	**6,420**	**6,450**	**3,470**	**17,200**	**5,590**	**3,180**
Sodium, Total	µg/L	**41,100**	**100,000**	**71,200**	**69,800**	**256,000**	**101,000**	**38,600**

Abbreviations & Notes

°C = Degrees celcius
DUP = Duplicate Sample
ft MSL = Elevation, feet above mean sea level
µg/L = Micrograms per liter
mg/L = Milligrams per liter
µS/cm = microsiemen per centimeter
mV = millivolt
NTU = Nephelometric Turbidity Unit
NS = Not Sampled
pCi/L = Picocuries per liter
S.U. = Standard Units

TABLE 5A

GROUNDWATER PROTECTION STANDARDS
SHALLOW ZONE

Appendix III Constituents	Units	Chemical Abstract Services Number (or alternative ID)	Analytical Method	Groundwater Protection Standard (GWPS)	GWPS Origin	Maximum Contaminant Level (MCL)	U.S. EPA Amendments to National Minimum Criteria (ANMC)	IDEM 2025 Residential Tapwater Published Levels	Raw Prediction Limit as of: May 2025	Functional Prediction Limit as of: May 2025
pH (Lower Bound)	S.U.	PHLow	SM 4500-H+B	**NE**	Not Applicable	NE	NE	NE	5.89	5.89
pH (Upper Bound)	S.U.	PHHigh	SM 4500-H+B	**NE**	Not Applicable	NE	NE	NE	8.03	8.03
Boron	µg/L	7440-42-8	EPA 6010	**NE**	Not Applicable	NE	NE	4,000	100	100
Calcium	µg/L	7440-70-2	EPA 6010	**NE**	Not Applicable	NE	NE	NE	144,963.2	145,000
Chloride	mg/L	16887-00-6	EPA 9056	**NE**	Not Applicable	NE	NE	NE	58.0705	58.1
Fluoride	mg/L	16984-48-8	EPA 9056	**NE**	Not Applicable	4,000	NE	4,000	0.1	0.1
Sulfate	mg/L	14808-79-8	EPA 9056	**NE**	Not Applicable	NE	NE	NE	38.4144	38.4
Total Dissolved Solids	mg/L	TDS	SM 2540C	**NE**	Not Applicable	NE	NE	NE	580.0004	580
Appendix IV Constituents	**Units**									
Antimony	µg/L	7440-36-0	EPA 6020	**6.0**	MCL	6.0	NE	6.0	1.0	1.0
Arsenic	µg/L	7440-38-2	EPA 6020	**10**	MCL	10	NE	10	5.8	5.8
Barium	µg/L	7440-39-3	EPA 6020	**2,000**	MCL	2,000	NE	2,000	68.8755	68.9
Beryllium	µg/L	7440-41-7	EPA 6020	**4.0**	MCL	4.0	NE	4.0	0.2	0.2
Cadmium	µg/L	7440-43-9	EPA 6010	**5.0**	IDEM 2025 PL	NE	NE	5.0	2.0	2.0
Chromium	µg/L	7440-47-3	EPA 6010	**100**	MCL	100	NE	100	10	10
Cobalt	µg/L	7440-48-4	EPA 6020	**6.0**	MCL	NE	6.0	6.0	5.8	5.8
Fluoride	mg/L	16984-48-8	EPA 9056	**4.0**	MCL	4.0	NE	4.0	0.1	0.1
Lead	µg/L	7439-92-1	EPA 6010	**15**	ANMC	10	15	10	10	10
Lithium	µg/L	7439-93-2	EPA 6010	**40**	ANMC	NE	40	40	20	20
Mercury	µg/L	7439-97-6	EPA 7470	**2.0**	MCL	2.0	NE	2.0	2.0	2.0
Molybdenum	µg/L	7439-98-7	EPA 6010	**100**	ANMC	NE	100	100	10	10
Radium, Total	pCi/L	7440-14-4	Calculation	**5.0**	MCL	5.0	NE	NE	1.78	1.78
Selenium	µg/L	7782-49-2	EPA 6020	**50**	MCL	50	NE	50	1.0	1.0
Thallium	µg/L	7440-28-0	EPA 6020	**2.0**	MCL	2.0	NE	2.0	1.0	1.0

Abbreviations & Notes

IDEM = Indiana Department of Environmental Management
NE = Not Established
pCi/L = Picocuries per liter
µg/L = Micrograms per liter
mg/L = Milligrams per liter
U.S. EPA = United States Environmental Protection Agency

IDEM has an established a GWPS of 4 mg/L for boron.
U.S. EPA's Amendments to the National Minimum Criteria (ANMC), Disposal of Coal Combustion Residuals from Electric Utilities; effective August 29, 2018.
Raw prediction limits are rounded based on analytical instrument sensitivity to generate functional prediction limits.
IDEM Phase II parameters incorperated by reference to 40 CFR 257 Appendix IV.
Total Radium MCL based on 40 CFR 141.66

TABLE 5B

GROUNDWATER PROTECTION STANDARDS
INTERMEDIATE ZONE

Appendix III Constituents	Units	Chemical Abstract Services Number (or alternative ID)	Analytical Method	Groundwater Protection Standard (GWPS)	GWPS Origin	Maximum Contaminant Level (MCL)	U.S. EPA Amendments to National Minimum Criteria (ANMC)	IDEM 2025 Residential Tapwater Published Levels	Raw Prediction Limit as of: May 2025	Functional Prediction Limit as of: May 2025
pH (Lower Bound)	S.U.	PHLow	SM 4500-H+B	**NE**	Not Applicable	NE	NE	NE	6.41	6.41
pH (Upper Bound)	S.U.	PHHigh	SM 4500-H+B	**NE**	Not Applicable	NE	NE	NE	8.02	8.02
Boron	µg/L	7440-42-8	EPA 6010	**NE**	Not Applicable	NE	NE	4,000	100	100
Calcium	µg/L	7440-70-2	EPA 6010	**NE**	Not Applicable	NE	NE	NE	124,665.6	125,000
Chloride	mg/L	16887-00-6	EPA 9056	**NE**	Not Applicable	NE	NE	NE	83.1051	83.1
Fluoride	mg/L	16984-48-8	EPA 9056	**NE**	Not Applicable	4,000	NE	4,000	0.1	0.1
Sulfate	mg/L	14808-79-8	EPA 9056	**NE**	Not Applicable	NE	NE	NE	40.0412	40
Total Dissolved Solids	mg/L	TDS	SM 2540C	**NE**	Not Applicable	NE	NE	NE	529.7395	530
Appendix IV Constituents	**Units**									
Antimony	µg/L	7440-36-0	EPA 6020	**6.0**	MCL	6.0	NE	6.0	1.0	1.0
Arsenic	µg/L	7440-38-2	EPA 6020	**10**	MCL	10	NE	10	2.0	2.0
Barium	µg/L	7440-39-3	EPA 6020	**2,000**	MCL	2,000	NE	2,000	52.0773	52.1
Beryllium	µg/L	7440-41-7	EPA 6020	**4.0**	MCL	4.0	NE	4.0	0.2	0.2
Cadmium	µg/L	7440-43-9	EPA 6010	**5.0**	IDEM 2025 PL	NE	NE	5.0	2.0	2.0
Chromium	µg/L	7440-47-3	EPA 6010	**100**	MCL	100	NE	100	10	10
Cobalt	µg/L	7440-48-4	EPA 6020	**6.0**	MCL	NE	6.0	6.0	1.0	1.0
Fluoride	mg/L	16984-48-8	EPA 9056	**4.0**	MCL	4.0	NE	4.0	0.1	0.1
Lead	µg/L	7439-92-1	EPA 6010	**15**	ANMC	10	15	10	10	10
Lithium	µg/L	7439-93-2	EPA 6010	**40**	ANMC	NE	40	40	20	20
Mercury	µg/L	7439-97-6	EPA 7470	**2.0**	MCL	2.0	NE	2.0	2.0	2.0
Molybdenum	µg/L	7439-98-7	EPA 6010	**100**	ANMC	NE	100	100	10	10
Radium, Total	pCi/L	7440-14-4	Calculation	**5.0**	MCL	5.0	NE	NE	1.8086	1.81
Selenium	µg/L	7782-49-2	EPA 6020	**50**	MCL	50	NE	50	1.0	1.0
Thallium	µg/L	7440-28-0	EPA 6020	**2.0**	MCL	2.0	NE	2.0	1.0	1.0

Abbreviations & Notes

IDEM = Indiana Department of Environmental Management
NE = Not Established
pCi/L = Picocuries per liter
µg/L = Micrograms per liter
mg/L = Milligrams per liter
U.S. EPA = United States Environmental Protection Agency

IDEM has an established a GWPS of 4 mg/L for boron.
U.S. EPA's Amendments to the National Minimum Criteria (ANMC), Disposal of Coal Combustion Residuals from Electric Utilities; effective August 29, 2018.
Raw prediction limits are rounded based on analytical instrument sensitivity to generate functional prediction limits.
IDEM Phase II parameters incorperated by reference to 40 CFR 257 Appendix IV.
Total Radium MCL based on 40 CFR 141.66

TABLE 5C

GROUNDWATER PROTECTION STANDARDS
DEEP ZONE

Appendix III Constituents	Units	Chemical Abstract Services Number (or alternative ID)	Analytical Method	Groundwater Protection Standard (GWPS)	GWPS Origin	Maximum Contaminant Level (MCL)	U.S. EPA Amendments to National Minimum Criteria (ANMC)	IDEM 2025 Residential Tapwater Published Levels	Raw Prediction Limit as of: May 2025	Functional Prediction Limit as of: May 2025
pH (Lower Bound)	S.U.	PHLow	SM 4500-H+B	**NE**	Not Applicable	NE	NE	NE	6.03	6.03
pH (Upper Bound)	S.U.	PHHigh	SM 4500-H+B	**NE**	Not Applicable	NE	NE	NE	8.31	8.31
Boron	µg/L	7440-42-8	EPA 6010	**NE**	Not Applicable	NE	NE	4,000	100	100
Calcium	µg/L	7440-70-2	EPA 6010	**NE**	Not Applicable	NE	NE	NE	116,097.9	116,000
Chloride	mg/L	16887-00-6	EPA 9056	**NE**	Not Applicable	NE	NE	NE	80.3766	80.4
Fluoride	mg/L	16984-48-8	EPA 9056	**NE**	Not Applicable	4,000	NE	4,000	0.1	0.1
Sulfate	mg/L	14808-79-8	EPA 9056	**NE**	Not Applicable	NE	NE	NE	78.725	78.7
Total Dissolved Solids	mg/L	TDS	SM 2540C	**NE**	Not Applicable	NE	NE	NE	499.9217	500
Appendix IV Constituents	**Units**									
Antimony	µg/L	7440-36-0	EPA 6020	**6.0**	MCL	6.0	NE	6.0	1.0	1.0
Arsenic	µg/L	7440-38-2	EPA 6020	**10**	MCL	10	NE	10	1.3	1.3
Barium	µg/L	7440-39-3	EPA 6020	**2,000**	MCL	2,000	NE	2,000	74.1349	74.1
Beryllium	µg/L	7440-41-7	EPA 6020	**4.0**	MCL	4.0	NE	4.0	0.2	0.2
Cadmium	µg/L	7440-43-9	EPA 6010	**5.0**	IDEM 2025 PL	NE	NE	5.0	2.0	2.0
Chromium	µg/L	7440-47-3	EPA 6010	**100**	MCL	100	NE	100	10	10
Cobalt	µg/L	7440-48-4	EPA 6020	**6.0**	MCL	NE	6.0	6.0	1.2	1.2
Fluoride	mg/L	16984-48-8	EPA 9056	**4.0**	MCL	4.0	NE	4.0	0.12	0.12
Lead	µg/L	7439-92-1	EPA 6010	**15**	ANMC	10	15	10	10	10
Lithium	µg/L	7439-93-2	EPA 6010	**40**	ANMC	NE	40	40	20	20
Mercury	µg/L	7439-97-6	EPA 7470	**2.0**	MCL	2.0	NE	2.0	2.0	2.0
Molybdenum	µg/L	7439-98-7	EPA 6010	**100**	ANMC	NE	100	100	10	10
Radium, Total	pCi/L	7440-14-4	Calculation	**5.0**	MCL	5.0	NE	NE	1.95	1.95
Selenium	µg/L	7782-49-2	EPA 6020	**50**	MCL	50	NE	50	1.6	1.6
Thallium	µg/L	7440-28-0	EPA 6020	**2.0**	MCL	2.0	NE	2.0	1.0	1.0

Abbreviations & Notes

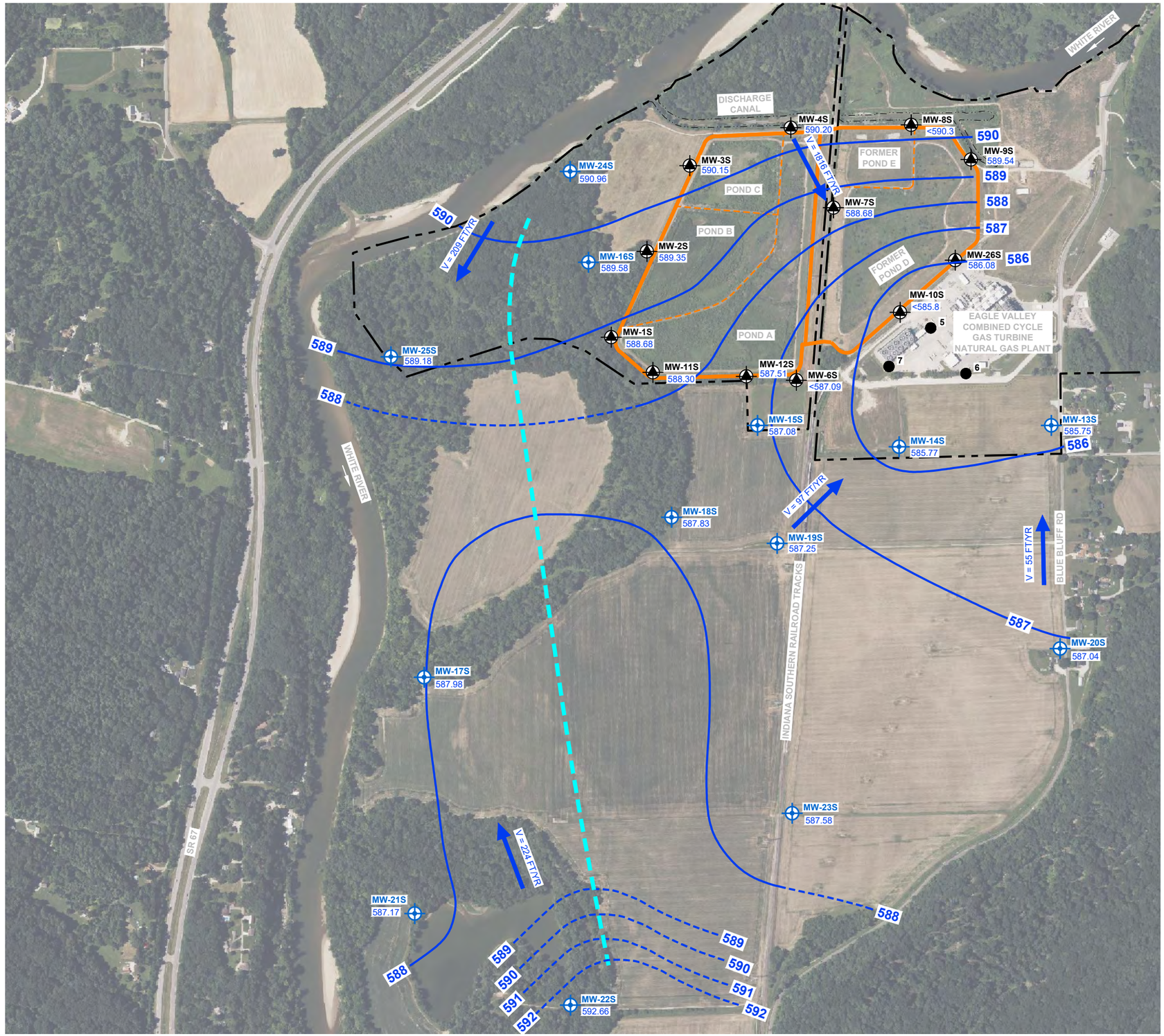
IDEM = Indiana Department of Environmental Management
NE = Not Established
pCi/L = Picocuries per liter
µg/L = Micrograms per liter
mg/L = Milligrams per liter
U.S. EPA = United States Environmental Protection Agency

IDEM has an established a GWPS of 4 mg/L for boron.
U.S. EPA's Amendments to the National Minimum Criteria (ANMC), Disposal of Coal Combustion Residuals from Electric Utilities; effective August 29, 2018.
Raw prediction limits are rounded based on analytical instrument sensitivity to generate functional prediction limits.
IDEM Phase II parameters incorperated by reference to 40 CFR 257 Appendix IV.
Total Radium MCL based on 40 CFR 141.66

APPENDIX A

Groundwater Flow Maps and Velocity Calculations

Groundwater Flow Map – Shallow Zone (March 31, 2025)
Groundwater Flow Map – Intermediate Zone (March 31, 2025)
Groundwater Flow Map – Deep Zone (March 31, 2025)
Horizontal Gradient and Seepage Velocity Calculations - March 2025
Groundwater Flow Map – Shallow Zone (October 21, 2025)
Groundwater Flow Map – Intermediate Zone (October 21, 2025)
Groundwater Flow Map – Deep Zone (October 21, 2025)
Horizontal Gradient and Seepage Velocity Calculations - October 2025



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LIMITS OF ASH POND SYSTEM
- APPROXIMATE BOUNDARY OF ASH POND
- MW-3 — CCR MONITORING WELL
- MW-15 — NATURE AND EXTENT MONITORING WELL
- 5 — PRODUCTION WELL
- 583.22 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 585 — 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- GROUNDWATER FLOW BREAKLINE

NOTES

1. AERIAL IMAGE FROM MICROSOFT BING MAPS, 2022.
2. WELL DESIGNATION:
   - S = SHALLOW WELL
   - I = INTERMEDIATE WELL
   - D = DEEP WELL
3. CCR = COAL COMBUSTION RESIDUALS
4. "<" INDICATES GROUNDWATER ELEVATION BELOW THE TOP OF PUMP
5. GROUNDWATER ELEVATION MEASUREMENTS COLLECTED BY ATLAS TECHNICAL CONSULTANTS, INC ON MARCH 31, 2025.

N

0 800 1600
SCALE IN FEET

HALEY ALDRICH

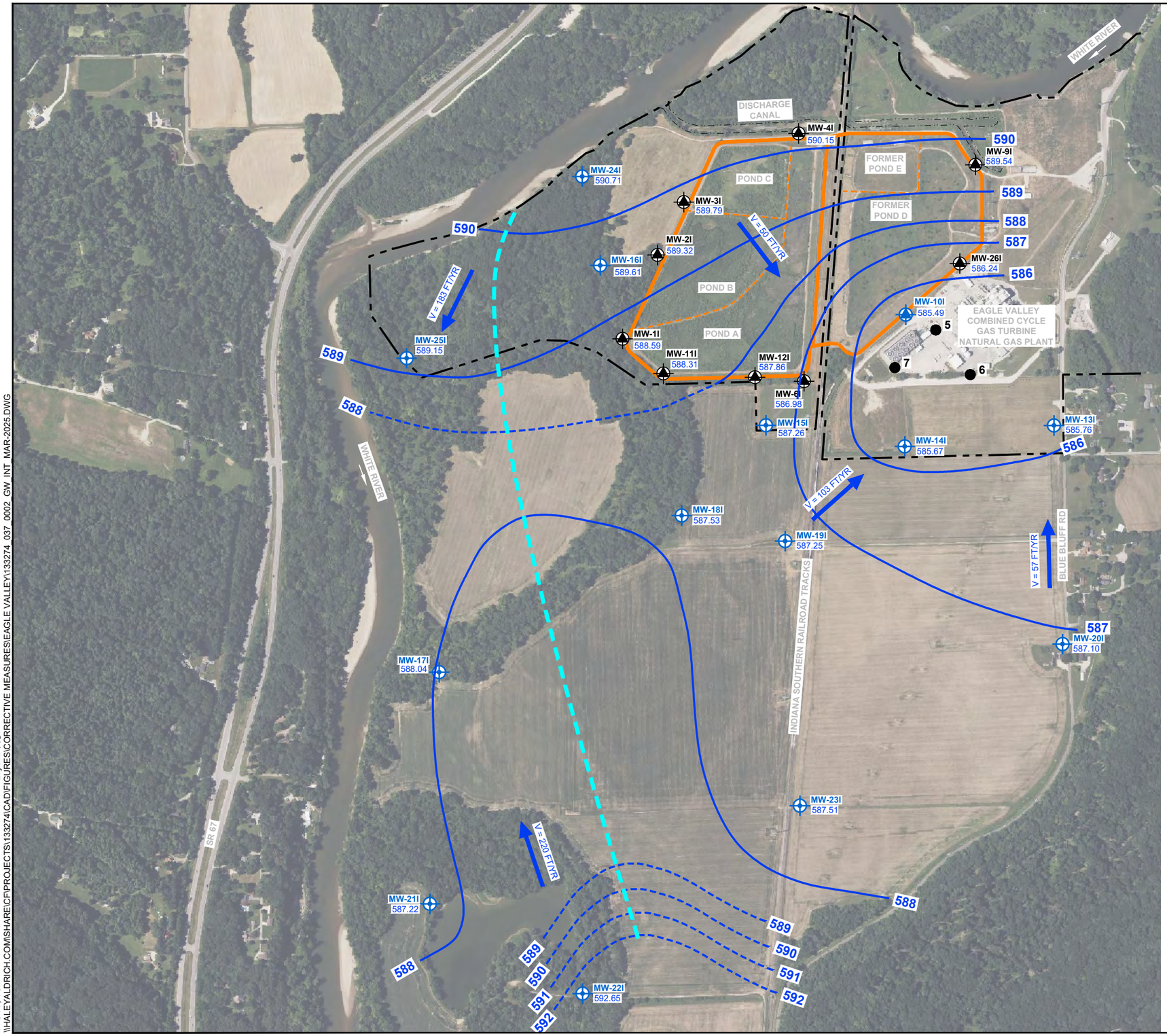
EAGLE VALLEY GENERATING STATION
MARTINSVILLE, INDIANA

GROUNDWATER FLOW MAP SHALLOW ZONE (MARCH 31, 2025)

SCALE: AS SHOWN
JUNE 2025

FIGURE 1

STOSS, TOM Saved: 6/19/2025 3:36 PM Layout: FIG
\\HALEYALDRICH.COM\SHARE\CF\PROJECTS\133274\CADD\FIGURES\CORRECTIVE MEASURES\EAGLE VALLEY\133274_037_0001_GW_SHAL_MAR-2025.DWG



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LIMITS OF ASH POND SYSTEM
- APPROXIMATE BOUNDARY OF ASH POND
- MW-3 — CCR MONITORING WELL
- MW-15 — NATURE AND EXTENT MONITORING WELL
- 5 — PRODUCTION WELL
- 583.88 — GROUNDWATER ELEVATION IN FEET
- 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- 585 — 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET
- GROUNDWATER FLOW BREAKLINE

NOTES

1. AERIAL IMAGE FROM MICROSOFT BING MAPS, 2022.
2. WELL DESIGNATION:
   - S = SHALLOW WELL
   - I = INTERMEDIATE WELL
   - D = DEEP WELL
3. CCR = COAL COMBUSTION RESIDUALS
4. GROUNDWATER ELEVATION MEASUREMENTS COLLECTED BY ATLAS TECHNICAL CONSULTANTS, INC ON MARCH 31, 2025.

N

0 800 1600
SCALE IN FEET

HALEY ALDRICH

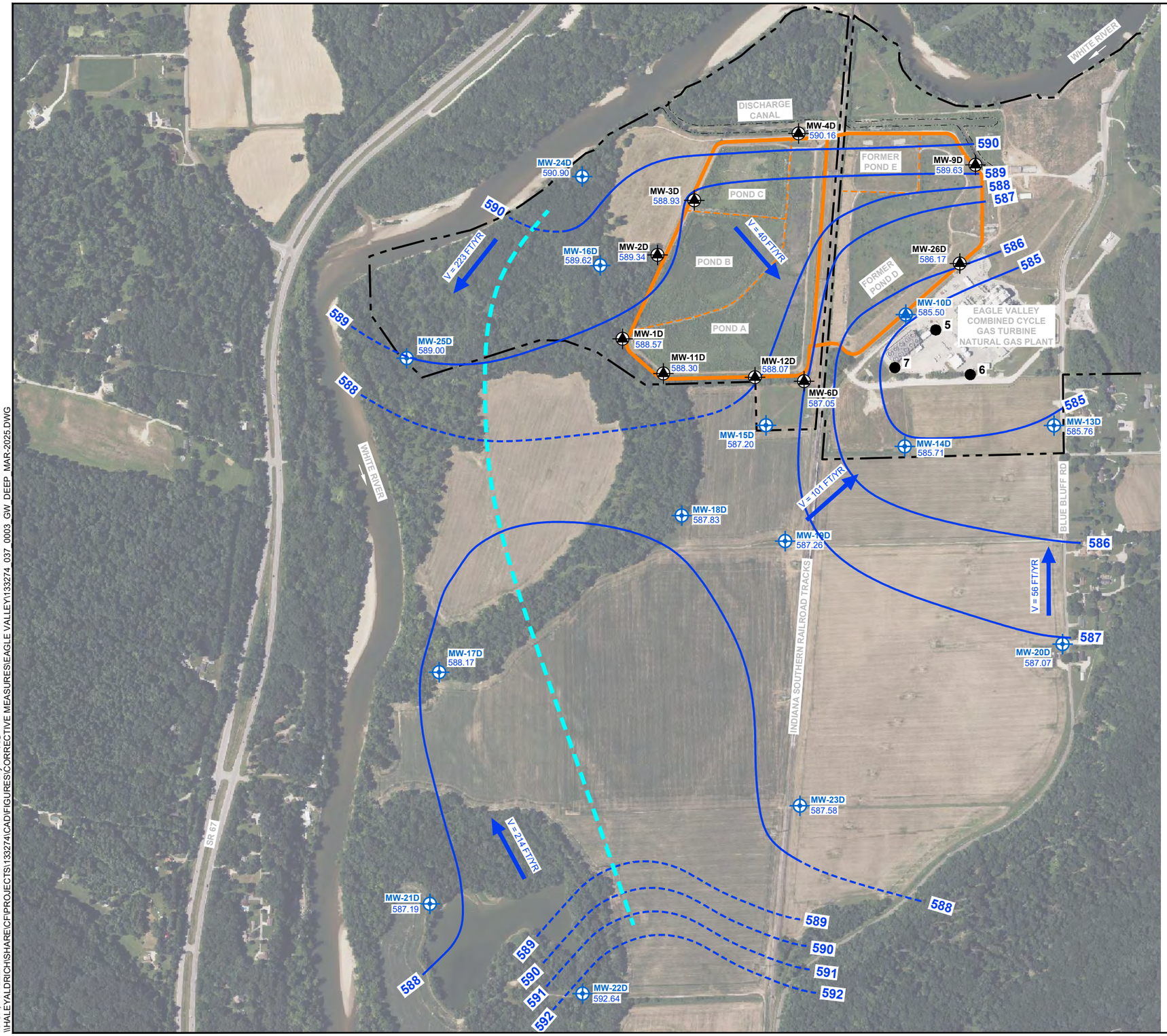
EAGLE VALLEY GENERATING STATION
MARTINSVILLE, INDIANA

GROUNDWATER FLOW MAP INTERMEDIATE ZONE (MARCH 31, 2025)

SCALE: AS SHOWN
JUNE 2025

FIGURE 2

Saved: 6/20/2025 11:45 AM STOSS, TOM Layout: FIG
\\HALEYALDRICH.COM\SHARE\CF\PROJECTS\133274\CADD\FIGURES\CORRECTIVE MEASURES\EAGLE VALLEY\133274_037_0002_GW_INT_MAR-2025.DWG



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LIMITS OF ASH POND SYSTEM
- APPROXIMATE BOUNDARY OF ASH POND
- MW-3 — CCR MONITORING WELL
- MW-15 — NATURE AND EXTENT MONITORING WELL
- 5 — PRODUCTION WELL
- 587.37 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 585 — 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- GROUNDWATER FLOW BREAKLINE

NOTES

1. AERIAL IMAGE FROM MICROSOFT BING MAPS, 2022.
2. WELL DESIGNATION:
   - S = SHALLOW WELL
   - I = INTERMEDIATE WELL
   - D = DEEP WELL
3. CCR = COAL COMBUSTION RESIDUALS
4. GROUNDWATER ELEVATION MEASUREMENTS COLLECTED BY ATLAS TECHNICAL CONSULTANTS, INC ON MARCH 31, 2025.

N

0 800 1600
SCALE IN FEET

HALEY ALDRICH

EAGLE VALLEY GENERATING STATION
MARTINSVILLE, INDIANA

GROUNDWATER FLOW MAP DEEP ZONE (MARCH 31, 2025)

SCALE: AS SHOWN
JULY 2025

FIGURE 3

KAUR, RAVLEEN Saved: 7/10/2025 11:13 AM Layout: FIG
\\HALEYALDRICH\SHARE\CP-PROJECTS\133274\CAD\FIGURES\CORRECTIVE MEASURES\EAGLE VALLEY\133274_037_0003_GW_DEEP_MAR-2025.DWG

TABLE 1
HORIZONTAL GRADIENT AND SEEPAGE VELOCITY CALCULATIONS - MARCH 2025
EAGLE VALLEY GENERATING STATION - MARTINSVILLE, INDIANA
MARTINSVILLE, INDIANA

Points/Area for Calculation	Flow Zone	Gauging Date	Horizontal Distance - Δ L (ft)	Upgradient Water Elevation (ft MSL)	Downgradient Water Elevation (ft MSL)	Head Difference - Δ H (Ft)	K Upgradient Well (ft/day)	K Downgradient Well (ft/day)	K Average (ft/day)	n_e	Hydraulic Gradient - Δ H / Δ L (ft/ft)	Seepage Velocity - V (ft/yr)
MW-4S to MW-7S	Shallow	3/31/2025	670	590.2	588.68	1.52	1091	225	658	0.3	0.0023	1816
MW-19S to MW-14S	Shallow	3/31/2025	1210	587.25	585.77	1.48	109	21	65	0.3	0.0012	97
MW-24S to MW-25S	Shallow	3/31/2025	2450	590.96	589.18	1.78	280	192	236	0.3	0.0007	209
MW-22S to MW-17S	Shallow	3/31/2025	2750	592.66	587.98	4.68	126	90	108	0.3	0.0017	224
MW-20S to MW-13S	Shallow	3/31/2025	1680	587.04	585.75	1.29	96	22	59	0.3	0.0008	55
										Geometric Mean (Shallow)	**0.0012**	**214**
MW-3I to MW-10I	Intermediate	3/31/2025	1880	589.79	585.49	4.30	23	13	18	0.3	0.0023	50
MW-19I to MW-14I	Intermediate	3/31/2025	1210	587.25	585.67	1.58	109	21	65	0.3	0.0013	103
MW-24I to MW-25I	Intermediate	3/31/2025	2450	590.71	589.15	1.56	280	192	236	0.3	0.0026	183
MW-22I to MW-17I	Intermediate	3/31/2025	2750	592.65	588.04	4.61	126	90	108	0.3	0.0078	220
MW-20I to MW-13I	Intermediate	3/31/2025	1680	587.10	585.76	1.34	96	22	59	0.3	0.0008	57
										Geometric Mean (Intermediate)	**0.0022**	**124**
MW-3D to MW-10D	Deep	3/31/2025	1880	588.93	585.50	3.43	23	13	18	0.3	0.0018	40
MW-19D to MW-14D	Deep	3/31/2025	1210	587.26	585.71	1.55	109	21	65	0.3	0.0013	101
MW-24D to MW-25D	Deep	3/31/2025	2450	590.90	589.00	1.90	280	192	236	0.3	0.0008	223
MW-22D to MW-17D	Deep	3/31/2025	2750	592.64	588.17	4.47	126	90	108	0.3	0.0016	214
MW-20D to MW-13D	Deep	3/31/2025	1680	587.07	585.76	1.31	96	22	59	0.3	0.0008	56
										Geometric Mean (Deep)	**0.0012**	**101**
										Geometric Mean (All Data)	**0.0015**	**131**
										Average (All Data)	**0.0010**	**210**

Notes:

Seepage velocity calculation:

$$V = \frac{K(\Delta H / \Delta L)}{n_e} \times 365 \text{ days}$$

Where:

'V = Groundwater flow velocity (ft/year)

'K= Horizontal hydraulic conductivity (ft/day; K Average used for calculation)

'n_e = Assumed effective porosity

Δ H = Head difference

Δ L = Horizontal distance

**See groundwater elevation contours on Groundwater Flow Maps*

Hydraulic conductivity derived from on-Site measurements (see "Summary of Hydraulic Conductivity Results" table)

Effective porosity derived from literature values (Woessner and Poeter, 2020)

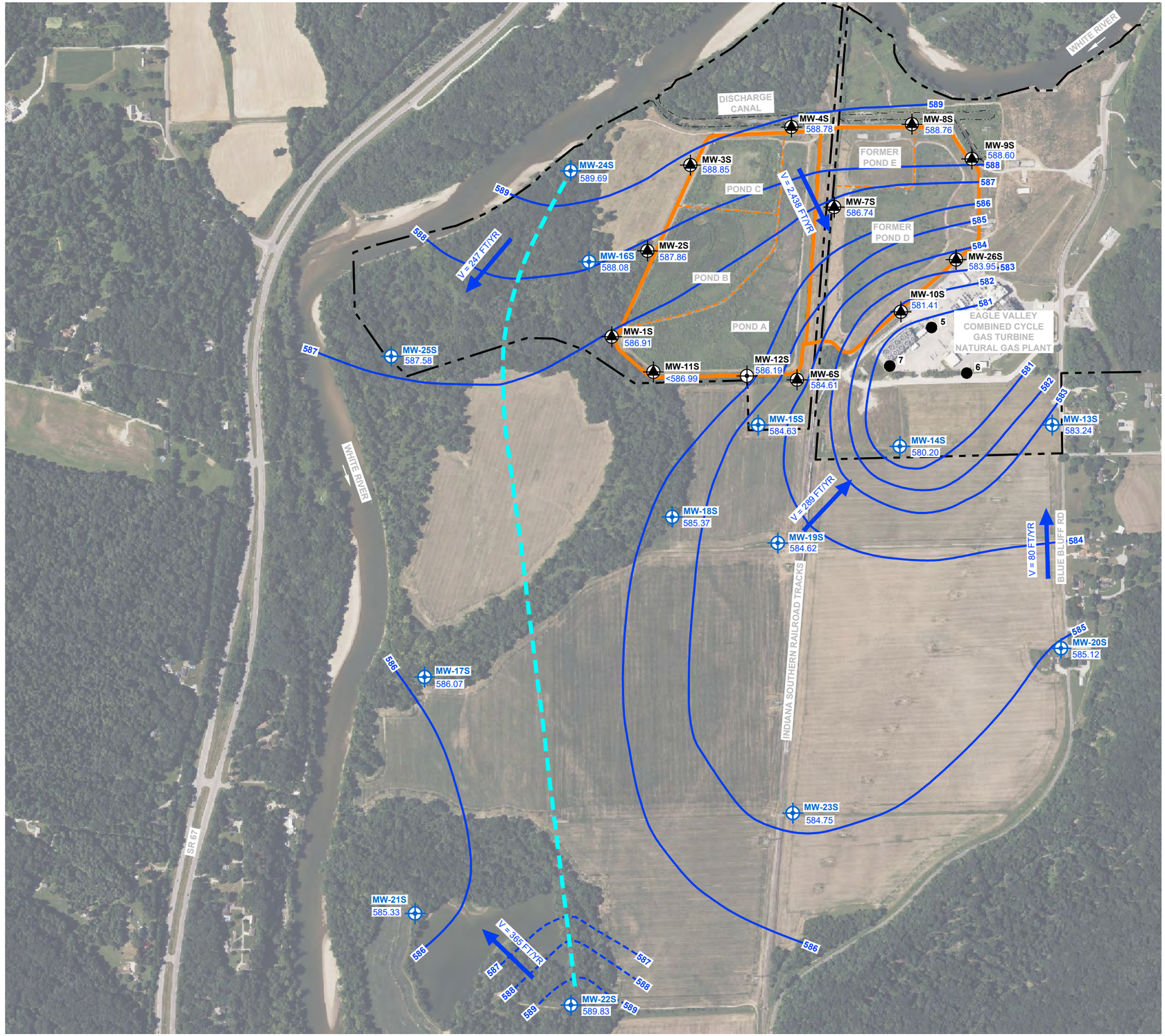
ft/yr = feet per year

ft MSL = feet above mean sea level

ft/day = feet per day

"-" indicates not measured

HALEY ALDRICH



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LIMITS OF ASH POND SYSTEM
- APPROXIMATE BOUNDARY OF ASH POND
- MW-3 — CCR MONITORING WELL
- MW-15 — NATURE AND EXTENT MONITORING WELL
- 5 — PRODUCTION WELL
- 583.22 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 585 — 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- GROUNDWATER FLOW BREAKLINE

NOTES

1. AERIAL IMAGE FROM MICROSOFT BING MAPS, 2022.
2. WELL DESIGNATION:
   - S = SHALLOW WELL
   - I = INTERMEDIATE WELL
   - D = DEEP WELL
3. CCR = COAL COMBUSTION RESIDUALS
4. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (FT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
5. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE

N

0 800 1600
SCALE IN FEET

HALEY ALDRICH

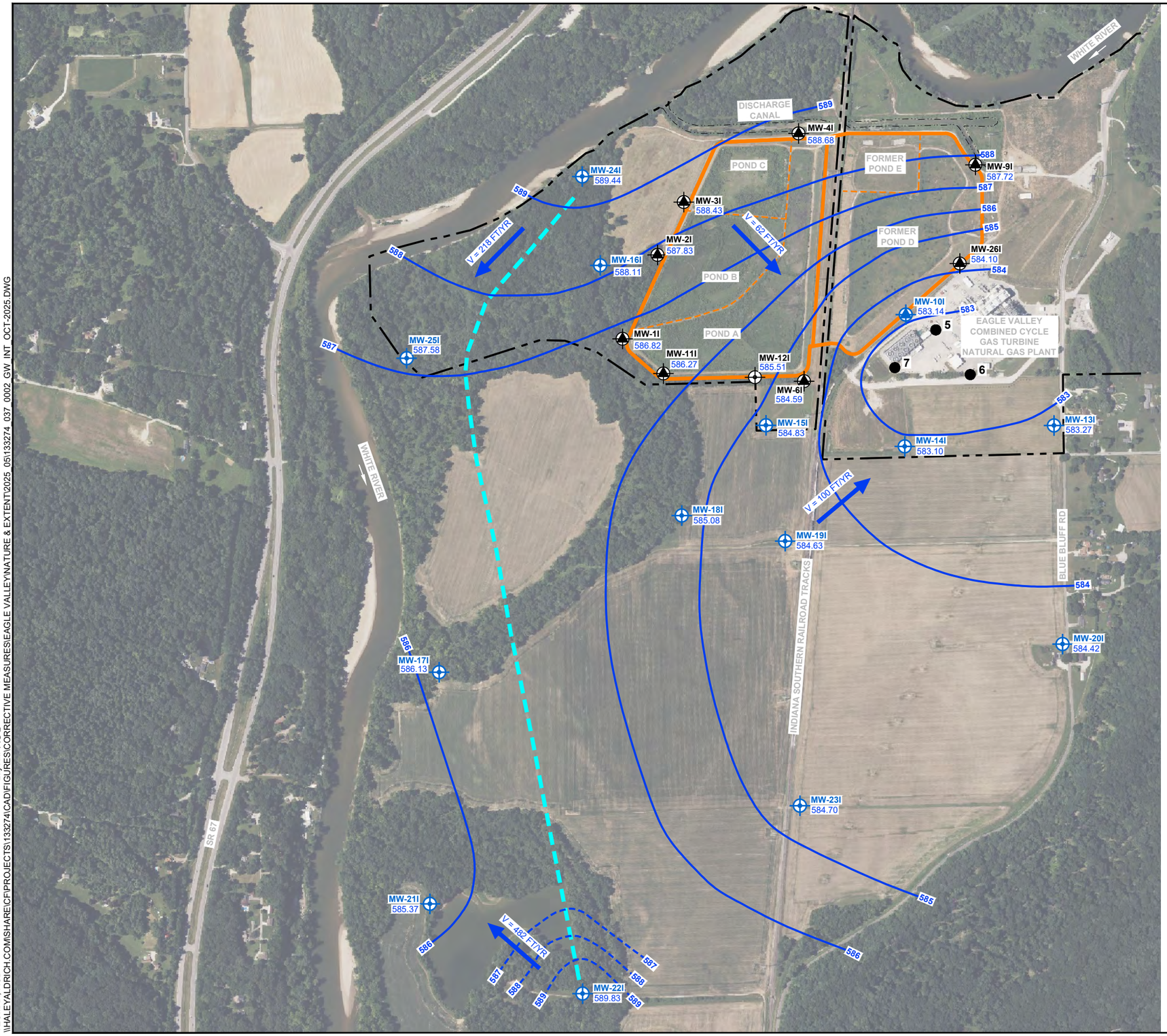
EAGLE VALLEY GENERATING STATION
MARTINSVILLE, INDIANA

GROUNDWATER FLOW MAP SHALLOW ZONE (OCTOBER 21, 2025)

SCALE: AS SHOWN
JANUARY 2026

FIGURE 1

YEOMAN, ROB Saved: 1/19/2026 5:30 AM Layout: FIG 1
\\HALEYALDRICH.COM\SHARE\CF\PROJECTS\133274\CADD\FIGURES\CORRECTIVE MEASURES\EAGLE VALLEY\NATURE & EXTENT\2025_051133274_037_0001_GW_SHAL_OCT-2025.DWG



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LIMITS OF ASH POND SYSTEM
- APPROXIMATE BOUNDARY OF ASH POND
- MW-3 — CCR MONITORING WELL
- MW-15 — NATURE AND EXTENT MONITORING WELL
- 5 — PRODUCTION WELL
- 583.88 — GROUNDWATER ELEVATION IN FEET
- 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- 585 — 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET
- GROUNDWATER FLOW BREAKLINE

NOTES

1. AERIAL IMAGE FROM MICROSOFT BING MAPS, 2022.
2. WELL DESIGNATION:
   - S = SHALLOW WELL
   - I = INTERMEDIATE WELL
   - D = DEEP WELL
3. CCR = COAL COMBUSTION RESIDUALS
4. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (FT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
5. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE

N

0 800 1600
SCALE IN FEET

HALEY ALDRICH

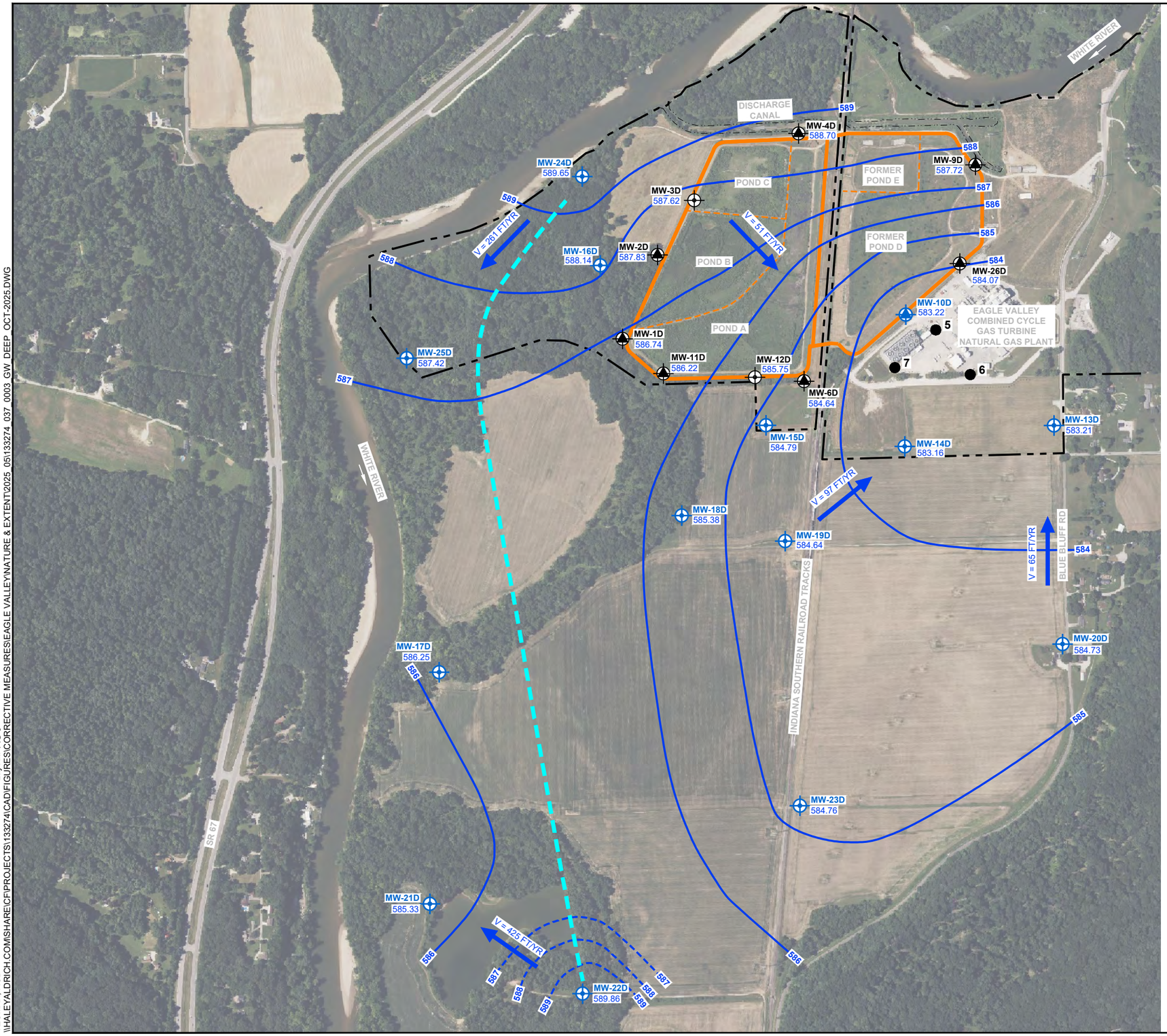
EAGLE VALLEY GENERATING STATION
MARTINSVILLE, INDIANA

GROUNDWATER FLOW MAP INTERMEDIATE ZONE (OCTOBER 21, 2025)

SCALE: AS SHOWN
JANUARY 2026

FIGURE 2

YEOMAN, ROB Saved: 1/19/2026 5:22 AM Layout: FIG 2
\\HALEYALDRICH.COM\SHARE\CF\PROJECTS\133274\CADD\FIGURES\CORRECTIVE MEASURES\EAGLE VALLEY\NATURE & EXTENT\2025_051133274_037_0002_GW_INT_OCT-2025.DWG



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LIMITS OF ASH POND SYSTEM
- APPROXIMATE BOUNDARY OF ASH POND
- MW-3 — CCR MONITORING WELL
- MW-15 — NATURE AND EXTENT MONITORING WELL
- 5 — PRODUCTION WELL
- 587.37 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 585 — 1-FOOT GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- GROUNDWATER FLOW BREAKLINE

NOTES

1. AERIAL IMAGE FROM MICROSOFT BING MAPS, 2022.
2. WELL DESIGNATION:
   - S = SHALLOW WELL
   - I = INTERMEDIATE WELL
   - D = DEEP WELL
3. CCR = COAL COMBUSTION RESIDUALS
4. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (FT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
5. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE

N

0 800 1600
SCALE IN FEET

HALEY ALDRICH

EAGLE VALLEY GENERATING STATION
MARTINSVILLE, INDIANA

GROUNDWATER FLOW MAP DEEP ZONE (OCTOBER 21, 2025)

SCALE: AS SHOWN
JANUARY 2026

FIGURE 3

YEOMAN, ROB Saved: 1/19/2026 5:23 AM Layout: FIG 3
\\HALEYALDRICH.COM\SHARE\CF\PROJECTS\133274\CAD\FIGURES\CORRECTIVE MEASURES\EAGLE VALLEY\NATURE & EXTENT\2025_051133274_037_0003_GW_DEEP_OCT-2025.DWG

TABLE 1
HORIZONTAL GRADIENT AND SEEPAGE VELOCITY CALCULATIONS - OCTOBER 2025
EAGLE VALLEY GENERATING STATION - MARTINSVILLE, INDIANA
MARTINSVILLE, INDIANA

Points/Area for Calculation	Flow Zone	Gauging Date	Horizontal Distance - Δ L (ft)	Upgradient Water Elevation (ft MSL)	Downgradient Water Elevation (ft MSL)	Head Difference - Δ H (Ft)	K Upgradient Well (ft/day)	K Downgradient Well (ft/day)	K Average (ft/day)	n_e	Hydraulic Gradient - Δ H / Δ L (ft/ft)	Seepage Velocity - V (ft/yr)
MW-4S to MW-7S	Shallow	10/21/2025	670	588.78	586.74	2.04	1091	225	658	0.3	0.0030	2438
MW-19S to MW-14S	Shallow	10/21/2025	1210	584.62	580.20	4.42	109	21	65	0.3	0.0037	289
MW-24S to MW-25S	Shallow	10/21/2025	2450	589.69	587.58	2.11	280	192	236	0.3	0.0009	247
MW-22S to MW-21S	Shallow	10/21/2025	1380	589.83	585.33	4.50	126	58	92	0.3	0.0033	365
MW-20S to MW-13S	Shallow	10/21/2025	1680	585.12	583.24	1.88	96	22	59	0.3	0.0011	80
										Geometric Mean (Shallow)	**0.0020**	**348**
MW-3I to MW-10I	Intermediate	10/21/2025	1880	588.43	583.14	5.29	23	13	18	0.3	0.0028	62
MW-19I to MW-14I	Intermediate	10/21/2025	1210	584.63	583.10	1.53	109	21	65	0.3	0.0013	100
MW-24I to MW-25I	Intermediate	10/21/2025	2450	589.44	587.58	1.86	280	192	236	0.3	0.0032	218
MW-22I to MW-21I	Intermediate	10/21/2025	1380	589.83	585.37	4.46	126	119	122.5	0.3	0.0076	482
MW-20I to MW-13I	Intermediate	10/21/2025	1680	584.42	583.27	1.15	96	22	59	0.3	0.0007	49
										Geometric Mean (Intermediate)	**0.0023**	**151**
MW-3D to MW-10D	Deep	10/21/2025	1880	587.62	583.22	4.40	23	13	18	0.3	0.0023	51
MW-19D to MW-14D	Deep	10/21/2025	1210	584.64	583.16	1.48	109	21	65	0.3	0.0012	97
MW-24D to MW-25D	Deep	10/21/2025	2450	589.65	587.42	2.23	280	192	236	0.3	0.0009	261
MW-22D to MW-21D	Deep	10/21/2025	1380	589.86	585.33	4.53	126	87	107	0.3	0.0033	425
MW-20D to MW-13D	Deep	10/21/2025	1680	584.73	583.21	1.52	96	22	59	0.3	0.0009	65
										Geometric Mean (Deep)	**0.0015**	**129**
										Geometric Mean (All Data)	**0.0019**	**178**
										Average (All Data)	**0.0013**	**309**

Notes:

Seepage velocity calculation:

$$V = \frac{K(\Delta H / \Delta L)}{n_e} \times 365 \text{ days}$$

Where:

'V = Groundwater flow velocity (ft/year)

'K= Horizontal hydraulic conductivity (ft/day; K Average used for calculation)

'n_e = Assumed effective porosity

Δ H = Head difference

Δ L = Horizontal distance

**See groundwater elevation contours on Groundwater Flow Maps*

Hydraulic conductivity derived from on-Site measurements (see "Summary of Hydraulic Conductivity Results" table)

Effective porosity derived from literature values (Woessner and Poeter, 2020)

ft/yr = feet per year

ft MSL = feet above mean sea level

ft/day = feet per day

"-" indicates not measured

HALEY ALDRICH

APPENDIX B

Laboratory Analytical Reports

Appendix B.1 – October 2024 Event

Appendix B.3 – April 2025 Event

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Dear Mr. Breting:

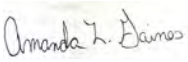
Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50383774003	**MW-12S**	Water	10/01/24 13:30	10/01/24 17:20
50383774004	**MW-12I**	Water	10/01/24 15:17	10/01/24 17:20
50383774005	**MW-12D**	Water	10/01/24 11:49	10/01/24 17:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50383774003	**MW-12S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383774004	**MW-12I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383774005	**MW-12D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383774003	**MW-12S**					
EPA 9056	Chloride	46.4	mg/L	2.5	10/08/24 20:16	
EPA 9056	Fluoride	0.17	mg/L	0.10	10/08/24 20:00	
EPA 9056	Sulfate	155	mg/L	2.5	10/08/24 20:16	
EPA 6010	Boron	4600	ug/L	100	10/08/24 16:42	
EPA 6010	Calcium	154000	ug/L	1000	10/08/24 16:42	
EPA 6010	Lithium	113	ug/L	20.0	10/08/24 16:42	
EPA 6010	Magnesium	35500	ug/L	1000	10/08/24 16:42	
EPA 6010	Molybdenum	19.0	ug/L	10.0	10/08/24 16:42	
EPA 6010	Potassium	11600	ug/L	1000	10/08/24 16:42	
EPA 6010	Sodium	66100	ug/L	1000	10/08/24 16:42	
EPA 6010	Molybdenum, Dissolved	20.6	ug/L	10.0	10/09/24 20:51	
EPA 6020	Antimony	1.8	ug/L	1.0	10/09/24 06:13	
EPA 6020	Barium	145	ug/L	1.0	10/09/24 06:13	
EPA 6020	Selenium	21.7	ug/L	1.0	10/09/24 06:13	
EPA 903.1	Radium-226	0.393 ± 0.456 (0.736) C:NA T:88%	pCi/L		10/18/24 13:42	
EPA 904.0	Radium-228	0.408 ± 0.451 (0.946) C:84% T:80%	pCi/L		10/18/24 16:10	
Total Radium Calculation	Total Radium	0.801 ± 0.907 (1.68)	pCi/L		10/23/24 08:48	
SM 2320B	Alkalinity, Total as CaCO3	483	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	483	mg/L	10.0	10/03/24 23:20	
SM 2540C	Total Dissolved Solids	802	mg/L	20.0	10/03/24 14:27	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	10/11/24 15:47	H3
EPA 353.2	Nitrogen, Nitrate	0.25	mg/L	0.10	10/01/24 20:28	
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	10/03/24 23:17	
50383774004	**MW-12I**					
EPA 9056	Chloride	127	mg/L	2.5	10/08/24 20:49	
EPA 9056	Fluoride	0.23	mg/L	0.10	10/08/24 20:32	
EPA 9056	Sulfate	147	mg/L	2.5	10/08/24 20:49	
EPA 6010	Boron	1250	ug/L	100	10/08/24 16:45	
EPA 6010	Calcium	125000	ug/L	1000	10/08/24 16:45	
EPA 6010	Iron	158	ug/L	100	10/08/24 16:45	
EPA 6010	Lithium	113	ug/L	20.0	10/08/24 16:45	
EPA 6010	Magnesium	32000	ug/L	1000	10/08/24 16:45	
EPA 6010	Manganese	307	ug/L	10.0	10/08/24 16:45	
EPA 6010	Molybdenum	137	ug/L	10.0	10/08/24 16:45	
EPA 6010	Potassium	9900	ug/L	1000	10/08/24 16:45	
EPA 6010	Sodium	69900	ug/L	1000	10/08/24 16:45	
EPA 6010	Molybdenum, Dissolved	141	ug/L	10.0	10/09/24 20:53	
EPA 6020	Barium	68.0	ug/L	1.0	10/09/24 06:17	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383774004	**MW-12I**					
EPA 903.1	Radium-226	1.02 ± 0.747 (1.11) C:NA T:91%	pCi/L		10/18/24 13:42	
EPA 904.0	Radium-228	0.816 ± 0.464 (0.849) C:86% T:84%	pCi/L		10/18/24 16:11	
Total Radium Calculation	Total Radium	1.84 ± 1.21 (1.96)	pCi/L		10/23/24 08:48	
SM 2320B	Alkalinity, Total as CaCO3	304	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	292	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Carbonate (CaCO3)	12.4	mg/L	10.0	10/03/24 23:20	
SM 2540C	Total Dissolved Solids	686	mg/L	10.0	10/03/24 14:27	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/11/24 15:53	H3
SM 5310C	Dissolved Organic Carbon	1.8	mg/L	1.0	10/03/24 23:43	
50383774005	**MW-12D**					
EPA 9056	Chloride	94.3	mg/L	2.5	10/08/24 21:54	
EPA 9056	Fluoride	0.21	mg/L	0.10	10/08/24 21:05	
EPA 9056	Sulfate	86.3	mg/L	2.5	10/08/24 21:54	
EPA 6010	Boron	1170	ug/L	100	10/08/24 16:51	
EPA 6010	Calcium	81500	ug/L	1000	10/08/24 16:51	
EPA 6010	Iron	393	ug/L	100	10/08/24 16:51	
EPA 6010	Lithium	71.2	ug/L	20.0	10/08/24 16:51	
EPA 6010	Magnesium	15800	ug/L	1000	10/08/24 16:51	
EPA 6010	Manganese	296	ug/L	10.0	10/08/24 16:51	
EPA 6010	Molybdenum	177	ug/L	10.0	10/08/24 16:51	
EPA 6010	Potassium	5420	ug/L	1000	10/08/24 16:51	
EPA 6010	Sodium	68500	ug/L	1000	10/08/24 16:51	
EPA 6010	Molybdenum, Dissolved	186	ug/L	10.0	10/09/24 20:55	
EPA 6020	Arsenic	3.3	ug/L	1.0	10/09/24 06:28	
EPA 6020	Barium	56.3	ug/L	1.0	10/09/24 06:28	
EPA 903.1	Radium-226	0.603 ± 0.559 (0.850) C:NA T:91%	pCi/L		10/18/24 13:42	
EPA 904.0	Radium-228	0.260 ± 0.452 (0.985) C:82% T:82%	pCi/L		10/18/24 16:10	
Total Radium Calculation	Total Radium	0.863 ± 1.01 (1.84)	pCi/L		10/23/24 08:48	
SM 2320B	Alkalinity, Total as CaCO3	218	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	218	mg/L	10.0	10/03/24 23:20	
SM 2540C	Total Dissolved Solids	474	mg/L	10.0	10/03/24 14:28	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/11/24 15:43	H3
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	10/04/24 00:09	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12S **Lab ID: 50383774003** Collected: 10/01/24 13:30 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**46.4**	mg/L	2.5	1.3	10		10/08/24 20:16	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.016	1		10/08/24 20:00	16984-48-8	
Sulfate	**155**	mg/L	2.5	1.9	10		10/08/24 20:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**4600**	ug/L	100	5.6	1	10/06/24 20:23	10/08/24 16:42	7440-42-8	
Calcium	**154000**	ug/L	1000	83.9	1	10/06/24 20:23	10/08/24 16:42	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/06/24 20:23	10/08/24 16:42	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:23	10/08/24 16:42	7439-92-1	
Lithium	**113**	ug/L	20.0	3.8	1	10/06/24 20:23	10/08/24 16:42	7439-93-2	
Magnesium	**35500**	ug/L	1000	53.7	1	10/06/24 20:23	10/08/24 16:42	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/06/24 20:23	10/08/24 16:42	7439-96-5	
Molybdenum	**19.0**	ug/L	10.0	1.4	1	10/06/24 20:23	10/08/24 16:42	7439-98-7	
Potassium	**11600**	ug/L	1000	113	1	10/06/24 20:23	10/08/24 16:42	7440-09-7	
Sodium	**66100**	ug/L	1000	95.0	1	10/06/24 20:23	10/08/24 16:42	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**20.6**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 20:51	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	**1.8**	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 06:13	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 06:13	7440-38-2	
Barium	**145**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 06:13	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 06:13	7440-48-4	
Selenium	**21.7**	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 06:13	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**483**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Bicarbonate (CaCO3)	**483**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/03/24 23:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**802**	mg/L	20.0	20.0	1		10/03/24 14:27		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		10/11/24 15:47		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12S **Lab ID: 50383774003** Collected: 10/01/24 13:30 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.25**	mg/L	0.10	0.013	1		10/01/24 20:28	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		10/03/24 23:17		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12I **Lab ID: 50383774004** Collected: 10/01/24 15:17 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**127**	mg/L	2.5	1.3	10		10/08/24 20:49	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.016	1		10/08/24 20:32	16984-48-8	
Sulfate	**147**	mg/L	2.5	1.9	10		10/08/24 20:49	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1250**	ug/L	100	5.6	1	10/06/24 20:23	10/08/24 16:45	7440-42-8	
Calcium	**125000**	ug/L	1000	83.9	1	10/06/24 20:23	10/08/24 16:45	7440-70-2	
Iron	**158**	ug/L	100	41.0	1	10/06/24 20:23	10/08/24 16:45	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:23	10/08/24 16:45	7439-92-1	
Lithium	**113**	ug/L	20.0	3.8	1	10/06/24 20:23	10/08/24 16:45	7439-93-2	
Magnesium	**32000**	ug/L	1000	53.7	1	10/06/24 20:23	10/08/24 16:45	7439-95-4	
Manganese	**307**	ug/L	10.0	0.77	1	10/06/24 20:23	10/08/24 16:45	7439-96-5	
Molybdenum	**137**	ug/L	10.0	1.4	1	10/06/24 20:23	10/08/24 16:45	7439-98-7	
Potassium	**9900**	ug/L	1000	113	1	10/06/24 20:23	10/08/24 16:45	7440-09-7	
Sodium	**69900**	ug/L	1000	95.0	1	10/06/24 20:23	10/08/24 16:45	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**141**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 20:53	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 06:17	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 06:17	7440-38-2	
Barium	**68.0**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 06:17	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 06:17	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 06:17	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**304**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Bicarbonate (CaCO3)	**292**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Carbonate (CaCO3)	**12.4**	mg/L	10.0	10.0	1		10/03/24 23:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**686**	mg/L	10.0	10.0	1		10/03/24 14:27		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/11/24 15:53		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12I **Lab ID: 50383774004** Collected: 10/01/24 15:17 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/01/24 20:39	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.8**	mg/L	1.0	0.25	1		10/03/24 23:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12D **Lab ID: 50383774005** Collected: 10/01/24 11:49 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**94.3**	mg/L	2.5	1.3	10		10/08/24 21:54	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.016	1		10/08/24 21:05	16984-48-8	
Sulfate	**86.3**	mg/L	2.5	1.9	10		10/08/24 21:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1170**	ug/L	100	5.6	1	10/06/24 20:23	10/08/24 16:51	7440-42-8	
Calcium	**81500**	ug/L	1000	83.9	1	10/06/24 20:23	10/08/24 16:51	7440-70-2	
Iron	**393**	ug/L	100	41.0	1	10/06/24 20:23	10/08/24 16:51	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:23	10/08/24 16:51	7439-92-1	
Lithium	**71.2**	ug/L	20.0	3.8	1	10/06/24 20:23	10/08/24 16:51	7439-93-2	
Magnesium	**15800**	ug/L	1000	53.7	1	10/06/24 20:23	10/08/24 16:51	7439-95-4	
Manganese	**296**	ug/L	10.0	0.77	1	10/06/24 20:23	10/08/24 16:51	7439-96-5	
Molybdenum	**177**	ug/L	10.0	1.4	1	10/06/24 20:23	10/08/24 16:51	7439-98-7	
Potassium	**5420**	ug/L	1000	113	1	10/06/24 20:23	10/08/24 16:51	7440-09-7	
Sodium	**68500**	ug/L	1000	95.0	1	10/06/24 20:23	10/08/24 16:51	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**186**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 20:55	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 06:28	7440-36-0	
Arsenic	**3.3**	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 06:28	7440-38-2	
Barium	**56.3**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 06:28	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 06:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 06:28	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**218**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Bicarbonate (CaCO3)	**218**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/03/24 23:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**474**	mg/L	10.0	10.0	1		10/03/24 14:28		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/11/24 15:43		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12D **Lab ID: 50383774005** Collected: 10/01/24 11:49 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/01/24 20:26	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.25	1		10/04/24 00:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 812296
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3715939 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/05/24 17:28	
Fluoride	mg/L	ND	0.10	0.016	10/05/24 17:28	
Sulfate	mg/L	ND	0.25	0.19	10/05/24 17:28	

LABORATORY CONTROL SAMPLE: 3715940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.94	94	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715945 3715946

Parameter	Units	50383774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.1	25	25	44.9	44.9	91	91	80-120	0	15	
Fluoride	mg/L	0.30	1	1	1.3	1.3	104	104	80-120	1	15	
Sulfate	mg/L	29.2	5	5	34.2	34.2	100	101	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 811928
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3714178 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/08/24 15:59	
Calcium	ug/L	ND	1000	83.9	10/08/24 15:59	
Iron	ug/L	ND	100	41.0	10/08/24 15:59	
Lead	ug/L	ND	10.0	2.0	10/08/24 15:59	
Lithium	ug/L	ND	20.0	3.8	10/08/24 15:59	
Magnesium	ug/L	ND	1000	53.7	10/08/24 15:59	
Manganese	ug/L	ND	10.0	0.77	10/08/24 15:59	
Molybdenum	ug/L	ND	10.0	1.4	10/08/24 15:59	
Potassium	ug/L	ND	1000	113	10/08/24 15:59	
Sodium	ug/L	ND	1000	95.0	10/08/24 15:59	

LABORATORY CONTROL SAMPLE: 3714179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	917	92	80-120	
Calcium	ug/L	10000	9420	94	80-120	
Iron	ug/L	10000	9370	94	80-120	
Lead	ug/L	1000	896	90	80-120	
Lithium	ug/L	1000	919	92	80-120	
Magnesium	ug/L	10000	9480	95	80-120	
Manganese	ug/L	1000	932	93	80-120	
Molybdenum	ug/L	1000	929	93	80-120	
Potassium	ug/L	10000	9140	91	80-120	
Sodium	ug/L	10000	8940	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714180 3714181

Parameter	Units	50383892011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	298	1000	1000	1250	1250	95	95	75-125	0	20	
Calcium	ug/L	105000	10000	10000	114000	113000	90	83	75-125	1	20	
Iron	ug/L	14900	10000	10000	23800	23700	89	87	75-125	1	20	
Lead	ug/L	14.7	1000	1000	869	864	85	85	75-125	1	20	
Lithium	ug/L	25.7	1000	1000	919	918	89	89	75-125	0	20	
Magnesium	ug/L	30800	10000	10000	40000	39900	92	91	75-125	0	20	
Manganese	ug/L	768	1000	1000	1670	1670	90	90	75-125	0	20	
Molybdenum	ug/L	24.6	1000	1000	941	937	92	91	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714180 3714181

Parameter	Units	50383892011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	7760	10000	10000	16800	17200	91	94	75-125	2	20	
Sodium	ug/L	96600	10000	10000	105000	105000	83	85	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 812238
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3715688 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/09/24 20:38	

LABORATORY CONTROL SAMPLE: 3715689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	996	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715690 3715691

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	990	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 812225
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3715592 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/09/24 05:49	
Arsenic	ug/L	ND	1.0	0.080	10/09/24 05:49	
Barium	ug/L	ND	1.0	0.11	10/09/24 05:49	
Cobalt	ug/L	ND	1.0	0.045	10/09/24 05:49	
Selenium	ug/L	ND	1.0	0.26	10/09/24 05:49	

LABORATORY CONTROL SAMPLE: 3715593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.6	106	80-120	
Arsenic	ug/L	40	39.9	100	80-120	
Barium	ug/L	40	37.8	95	80-120	
Cobalt	ug/L	40	41.3	103	80-120	
Selenium	ug/L	40	40.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715594 3715595

Parameter	Units	50383911006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.1	43.3	107	108	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.8	39.2	97	98	75-125	1	20	
Barium	ug/L	91.0	40	40	127	127	91	91	75-125	0	20	
Cobalt	ug/L	1.0	40	40	39.1	39.1	95	95	75-125	0	20	
Selenium	ug/L	ND	40	40	39.7	39.4	99	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 812113
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3715068 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/03/24 23:20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/03/24 23:20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/03/24 23:20	

LABORATORY CONTROL SAMPLE: 3715069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.7	97	90-110	

SAMPLE DUPLICATE: 3715070

Parameter	Units	50383594001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	326	332	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	326	332	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3715071

Parameter	Units	50383667001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	126	128	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	120	123	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 811975 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3714296 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/03/24 14:20	

LABORATORY CONTROL SAMPLE: 3714297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	80-120	

SAMPLE DUPLICATE: 3714298

Parameter	Units	50383521009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	358	358	0	10	

SAMPLE DUPLICATE: 3714299

Parameter	Units	50383521013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	678	636	6	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 813402
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

SAMPLE DUPLICATE: 3720831

Parameter	Units	50383907017 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.6	0	2	H3

SAMPLE DUPLICATE: 3720832

Parameter	Units	50383907013 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.0	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 811679
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3713086 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/01/24 19:49	

LABORATORY CONTROL SAMPLE: 3713087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3713088 3713089

Parameter	Units	50383699001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.11	1	1	1.1	1.1	104	104	90-110	0	20	

MATRIX SPIKE SAMPLE: 3713090

Parameter	Units	50383774001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	6.1	5	11.2	101	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 812036
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3714561 Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/03/24 18:41	

LABORATORY CONTROL SAMPLE: 3714562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714563 3714564

Parameter	Units	50383716003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.5	10	10	11.5	11.4	100	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12S **Lab ID: 50383774003** Collected: 10/01/24 13:30 Received: 10/01/24 17:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.393 ± 0.456 (0.736) C:NA T:88%**	pCi/L	10/18/24 13:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.408 ± 0.451 (0.946) C:84% T:80%**	pCi/L	10/18/24 16:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.801 ± 0.907 (1.68)**	pCi/L	10/23/24 08:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12I **Lab ID: 50383774004** Collected: 10/01/24 15:17 Received: 10/01/24 17:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.02 ± 0.747 (1.11) C:NA T:91%**	pCi/L	10/18/24 13:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.816 ± 0.464 (0.849) C:86% T:84%**	pCi/L	10/18/24 16:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.84 ± 1.21 (1.96)**	pCi/L	10/23/24 08:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Sample: MW-12D **Lab ID: 50383774005** Collected: 10/01/24 11:49 Received: 10/01/24 17:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.603 ± 0.559 (0.850) C:NA T:91%**	pCi/L	10/18/24 13:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.260 ± 0.452 (0.985) C:82% T:82%**	pCi/L	10/18/24 16:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.863 ± 1.01 (1.84)**	pCi/L	10/23/24 08:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 701338
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3415811
Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.0757 ± 0.306 (0.733) C:84% T:87%	pCi/L	10/18/24 16:09	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

QC Batch: 701337
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383774003, 50383774004, 50383774005

METHOD BLANK: 3415809
Matrix: Water
Associated Lab Samples: 50383774003, 50383774004, 50383774005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0444 ± 0.203 (0.478) C:NA T:93%	pCi/L	10/18/24 13:29	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50383774003	**MW-12S**	EPA 9056	812296		
50383774004	**MW-12I**	EPA 9056	812296		
50383774005	**MW-12D**	EPA 9056	812296		
50383774003	**MW-12S**	EPA 3010	811928	EPA 6010	812704
50383774004	**MW-12I**	EPA 3010	811928	EPA 6010	812704
50383774005	**MW-12D**	EPA 3010	811928	EPA 6010	812704
50383774003	**MW-12S**	EPA 3010	812238	EPA 6010	812771
50383774004	**MW-12I**	EPA 3010	812238	EPA 6010	812771
50383774005	**MW-12D**	EPA 3010	812238	EPA 6010	812771
50383774003	**MW-12S**	EPA 200.2	812225	EPA 6020	812579
50383774004	**MW-12I**	EPA 200.2	812225	EPA 6020	812579
50383774005	**MW-12D**	EPA 200.2	812225	EPA 6020	812579
50383774003	**MW-12S**	EPA 903.1	701337		
50383774004	**MW-12I**	EPA 903.1	701337		
50383774005	**MW-12D**	EPA 903.1	701337		
50383774003	**MW-12S**	EPA 904.0	701338		
50383774004	**MW-12I**	EPA 904.0	701338		
50383774005	**MW-12D**	EPA 904.0	701338		
50383774003	**MW-12S**	Total Radium Calculation	704682		
50383774004	**MW-12I**	Total Radium Calculation	704682		
50383774005	**MW-12D**	Total Radium Calculation	704682		
50383774003	**MW-12S**	SM 2320B	812113		
50383774004	**MW-12I**	SM 2320B	812113		
50383774005	**MW-12D**	SM 2320B	812113		
50383774003	**MW-12S**	SM 2540C	811975		
50383774004	**MW-12I**	SM 2540C	811975		
50383774005	**MW-12D**	SM 2540C	811975		
50383774003	**MW-12S**	SM 4500-H+B	813402		
50383774004	**MW-12I**	SM 4500-H+B	813402		
50383774005	**MW-12D**	SM 4500-H+B	813402		
50383774003	**MW-12S**	EPA 353.2	811679		
50383774004	**MW-12I**	EPA 353.2	811679		
50383774005	**MW-12D**	EPA 353.2	811679		
50383774003	**MW-12S**	SM 5310C	812036		
50383774004	**MW-12I**	SM 5310C	812036		
50383774005	**MW-12D**	SM 5310C	812036		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50383774

50383774

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170		
Project Name:	Eagle Valley October 2024 PIR1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW 15S	GW	G	10/1/24	1345						X	X	X	X	X	X	X	X	
MW 15D	GW	G		1515														
MW-12S	GW	G		1330														
MW-12I	GW	G		1517														
MW-12D	GW	G		1149														

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**

AcctNum / Client ID:

Table #:

Profile / Template: **10498-62**

Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Mohammed Burlum, I
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	C	0.0	see scur		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/1/2024		10/1/24 17:20	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/1/24 11:21 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. Cooler Temperature(s): 0.8/0.8 | 2.6/2.6 | | |

3. Courier: FED EX UPS CLIENT PACE NOW/JETT OTHER _____

4. Custody Seal on Cooler/Box Present: Yes No

(If yes)Seals Intact: Yes No (leave blank if no seals were present)

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. Packing Material: Bubble Wrap Bubble Bags None Other _____

6. Ice Type: Wet Blue None

7. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate/Nitrite	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?			✓
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?		✓	
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:			✓

COMMENTS:

)C PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

e C	WGFU	WGKU BG1U	MeOH (only) / SBS / DI / R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/ZnAc >9
													1			2	1	2	1	1									WT	✓	✓		
													↓			↑	↓	↓	↓	↓									↓	↓	↓		
)																																	
?																																	

tainer Codes

Glass

)H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
)P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
)S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
)T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
)U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
)H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
)T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
)U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
KU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
EU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
U	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
=	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Dear Mr. Breting:

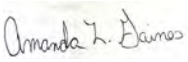
Enclosed are the analytical results for sample(s) received by the laboratory on October 02, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis
7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50383911001	**MW-26D**	Water	10/02/24 09:42	10/02/24 16:00
50383911002	**MW-26I**	Water	10/02/24 10:50	10/02/24 16:00
50383911003	**MW-26S**	Water	10/02/24 11:56	10/02/24 16:00
50383911004	**DUP-1**	Water	10/02/24 08:00	10/02/24 16:00
50383911005	**MW-8S**	Water	10/02/24 14:20	10/02/24 16:00
50383911006	**MW-6I**	Water	10/02/24 15:15	10/02/24 16:00
50383911007	**MW-6D**	Water	10/02/24 14:00	10/02/24 16:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50383911001	**MW-26D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383911002	**MW-26I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383911003	**MW-26S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383911004	**DUP-1**	EPA 9056	DMP1	3	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383911005	**MW-8S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383911006	**MW-6I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383911007	**MW-6D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383911001	**MW-26D**					
EPA 9056	Chloride	68.3	mg/L	2.5	10/08/24 12:43	
EPA 9056	Sulfate	87.8	mg/L	2.5	10/08/24 12:43	
EPA 6010	Calcium	110000	ug/L	1000	10/11/24 01:58	
EPA 6010	Magnesium	29000	ug/L	1000	10/11/24 01:58	
EPA 6010	Manganese	57.9	ug/L	10.0	10/11/24 01:58	
EPA 6010	Molybdenum	23.9	ug/L	10.0	10/11/24 01:58	
EPA 6010	Potassium	3190	ug/L	1000	10/11/24 01:58	
EPA 6010	Sodium	53400	ug/L	1000	10/11/24 01:58	
EPA 6010	Molybdenum, Dissolved	23.4	ug/L	10.0	10/09/24 20:57	
EPA 6020	Barium	110	ug/L	1.0	10/09/24 07:04	
EPA 903.1	Radium-226	0.000 ± 0.328 (0.693) C:NA T:87%	pCi/L		10/21/24 13:22	
EPA 904.0	Radium-228	1.01 ± 0.417 (0.649) C:84% T:84%	pCi/L		10/22/24 11:57	
Total Radium Calculation	Total Radium	1.01 ± 0.745 (1.34)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	316	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	316	mg/L	10.0	10/04/24 20:45	
SM 2540C	Total Dissolved Solids	514	mg/L	10.0	10/08/24 09:42	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/14/24 15:54	H3
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	10/04/24 15:35	
50383911002	**MW-26I**					
EPA 9056	Chloride	133	mg/L	2.5	10/08/24 13:16	
EPA 9056	Fluoride	0.39	mg/L	0.10	10/08/24 13:00	
EPA 9056	Sulfate	110	mg/L	2.5	10/08/24 13:16	
EPA 6010	Boron	175	ug/L	100	10/11/24 02:00	
EPA 6010	Calcium	70300	ug/L	1000	10/11/24 02:00	
EPA 6010	Magnesium	21400	ug/L	1000	10/11/24 02:00	
EPA 6010	Manganese	22.1	ug/L	10.0	10/11/24 02:00	
EPA 6010	Molybdenum	41.2	ug/L	10.0	10/11/24 02:00	
EPA 6010	Potassium	5840	ug/L	1000	10/11/24 02:00	
EPA 6010	Sodium	123000	ug/L	1000	10/11/24 02:00	
EPA 6010	Molybdenum, Dissolved	39.9	ug/L	10.0	10/09/24 21:00	
EPA 6020	Barium	75.0	ug/L	1.0	10/09/24 07:16	
EPA 903.1	Radium-226	0.000 ± 0.387 (0.792) C:NA T:87%	pCi/L		10/21/24 13:22	
EPA 904.0	Radium-228	1.03 ± 0.506 (0.890) C:83% T:78%	pCi/L		10/22/24 11:57	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383911002	**MW-26I**					
Total Radium Calculation	Total Radium	1.03 ± 0.893 (1.68)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	237	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	237	mg/L	10.0	10/04/24 20:45	
SM 2540C	Total Dissolved Solids	589	mg/L	10.0	10/08/24 09:43	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/14/24 15:59	H3
EPA 353.2	Nitrogen, Nitrate	2.5	mg/L	0.10	10/02/24 23:59	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	10/04/24 15:46	
50383911003	**MW-26S**					
EPA 9056	Chloride	285	mg/L	25.0	10/08/24 14:24	
EPA 9056	Fluoride	0.36	mg/L	0.10	10/08/24 13:50	
EPA 9056	Sulfate	890	mg/L	25.0	10/08/24 14:24	
EPA 6010	Boron	3400	ug/L	100	10/11/24 02:02	
EPA 6010	Calcium	316000	ug/L	2000	10/11/24 02:28	
EPA 6010	Lithium	83.2	ug/L	20.0	10/11/24 02:02	
EPA 6010	Magnesium	73600	ug/L	1000	10/11/24 02:02	
EPA 6010	Manganese	1910	ug/L	10.0	10/11/24 02:02	
EPA 6010	Molybdenum	151	ug/L	10.0	10/11/24 02:02	
EPA 6010	Potassium	14900	ug/L	1000	10/11/24 02:02	
EPA 6010	Sodium	238000	ug/L	2000	10/11/24 02:28	
EPA 6010	Molybdenum, Dissolved	149	ug/L	10.0	10/09/24 21:02	
EPA 6020	Barium	34.3	ug/L	1.0	10/09/24 07:20	
EPA 6020	Cobalt	2.6	ug/L	1.0	10/09/24 07:20	
EPA 903.1	Radium-226	0.279 ± 0.549 (0.965) C:NA T:97%	pCi/L		10/21/24 13:22	
EPA 904.0	Radium-228	1.22 ± 0.499 (0.791) C:84% T:83%	pCi/L		10/22/24 11:57	
Total Radium Calculation	Total Radium	1.50 ± 1.05 (1.76)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	238	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	238	mg/L	10.0	10/04/24 20:45	
SM 2540C	Total Dissolved Solids	1990	mg/L	20.0	10/08/24 09:43	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	10/14/24 16:03	H3
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	10/04/24 16:03	
50383911004	**DUP-1**					
EPA 9056	Chloride	71.0	mg/L	2.5	10/08/24 15:31	
EPA 9056	Sulfate	89.0	mg/L	2.5	10/08/24 15:31	
EPA 6010	Calcium	113000	ug/L	1000	10/11/24 02:04	
EPA 6010	Magnesium	29900	ug/L	1000	10/11/24 02:04	
EPA 6010	Manganese	59.9	ug/L	10.0	10/11/24 02:04	
EPA 6010	Molybdenum	24.0	ug/L	10.0	10/11/24 02:04	
EPA 6010	Potassium	3410	ug/L	1000	10/11/24 02:04	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383911004	**DUP-1**					
EPA 6010	Sodium	55500	ug/L	1000	10/11/24 02:04	
EPA 6010	Molybdenum, Dissolved	23.0	ug/L	10.0	10/09/24 21:04	
EPA 6020	Barium	109	ug/L	1.0	10/09/24 07:24	
EPA 903.1	Radium-226	0.249 ± 0.380 (0.654) C:NA T:91%	pCi/L		10/21/24 13:22	
EPA 904.0	Radium-228	1.24 ± 0.487 (0.780) C:86% T:87%	pCi/L		10/22/24 11:57	
Total Radium Calculation	Total Radium	1.49 ± 0.867 (1.43)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	315	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	315	mg/L	10.0	10/04/24 20:45	
SM 2540C	Total Dissolved Solids	554	mg/L	10.0	10/08/24 09:43	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/11/24 15:55	H3
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	10/04/24 16:14	
50383911005	**MW-8S**					
EPA 9056	Chloride	281	mg/L	25.0	10/08/24 16:38	
EPA 9056	Fluoride	0.57	mg/L	0.10	10/08/24 16:04	
EPA 9056	Sulfate	696	mg/L	25.0	10/08/24 16:38	
EPA 6010	Boron	2440	ug/L	100	10/11/24 02:06	
EPA 6010	Calcium	254000	ug/L	2000	10/11/24 02:30	
EPA 6010	Lithium	75.3	ug/L	20.0	10/11/24 02:06	
EPA 6010	Magnesium	62300	ug/L	1000	10/11/24 02:06	
EPA 6010	Manganese	276	ug/L	10.0	10/11/24 02:06	
EPA 6010	Molybdenum	155	ug/L	10.0	10/11/24 02:06	
EPA 6010	Potassium	16300	ug/L	1000	10/11/24 02:06	
EPA 6010	Sodium	237000	ug/L	2000	10/11/24 02:30	
EPA 6010	Molybdenum, Dissolved	147	ug/L	10.0	10/09/24 21:06	
EPA 6020	Arsenic	5.3	ug/L	1.0	10/09/24 07:28	
EPA 6020	Barium	106	ug/L	1.0	10/09/24 07:28	
EPA 903.1	Radium-226	0.280 ± 0.753 (1.34) C:NA T:94%	pCi/L		10/21/24 13:22	
EPA 904.0	Radium-228	0.501 ± 0.375 (0.737) C:84% T:84%	pCi/L		10/22/24 11:58	
Total Radium Calculation	Total Radium	0.781 ± 1.13 (2.08)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	226	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	226	mg/L	10.0	10/04/24 20:45	
SM 2540C	Total Dissolved Solids	1670	mg/L	20.0	10/08/24 09:43	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/14/24 16:08	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383911005	**MW-8S**					
SM 5310C	Dissolved Organic Carbon	2.4	mg/L	1.0	10/04/24 16:26	
50383911006	**MW-6I**					
EPA 9056	Chloride	102	mg/L	2.5	10/08/24 17:11	
EPA 9056	Fluoride	0.27	mg/L	0.10	10/08/24 16:55	
EPA 9056	Sulfate	178	mg/L	2.5	10/08/24 17:11	
EPA 6010	Boron	2250	ug/L	100	10/11/24 02:08	
EPA 6010	Calcium	156000	ug/L	1000	10/11/24 02:08	
EPA 6010	Lithium	120	ug/L	20.0	10/11/24 02:08	
EPA 6010	Magnesium	37100	ug/L	1000	10/11/24 02:08	
EPA 6010	Manganese	110	ug/L	10.0	10/11/24 02:08	
EPA 6010	Molybdenum	120	ug/L	10.0	10/11/24 02:08	
EPA 6010	Potassium	14400	ug/L	1000	10/11/24 02:08	
EPA 6010	Sodium	82000	ug/L	1000	10/11/24 02:08	
EPA 6010	Molybdenum, Dissolved	113	ug/L	10.0	10/09/24 21:08	
EPA 6020	Barium	91.0	ug/L	1.0	10/09/24 07:40	
EPA 6020	Cobalt	1.0	ug/L	1.0	10/09/24 07:40	
EPA 903.1	Radium-226	0.916 ± 0.735 (1.11) C:NA T:88%	pCi/L		10/21/24 13:34	
EPA 904.0	Radium-228	0.640 ± 0.362 (0.646) C:81% T:84%	pCi/L		10/22/24 11:58	
Total Radium Calculation	Total Radium	1.56 ± 1.10 (1.76)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	411	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	411	mg/L	10.0	10/04/24 20:45	
SM 2540C	Total Dissolved Solids	802	mg/L	10.0	10/08/24 09:44	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	10/14/24 16:10	H3
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	10/04/24 16:38	
50383911007	**MW-6D**					
EPA 9056	Chloride	93.5	mg/L	2.5	10/08/24 18:35	
EPA 9056	Fluoride	0.20	mg/L	0.10	10/08/24 18:19	
EPA 9056	Sulfate	85.6	mg/L	2.5	10/08/24 18:35	
EPA 6010	Boron	1420	ug/L	100	10/11/24 02:15	
EPA 6010	Calcium	85600	ug/L	1000	10/11/24 02:15	
EPA 6010	Iron	142	ug/L	100	10/11/24 02:15	
EPA 6010	Lithium	70.0	ug/L	20.0	10/11/24 02:15	
EPA 6010	Magnesium	16200	ug/L	1000	10/11/24 02:15	
EPA 6010	Manganese	338	ug/L	10.0	10/11/24 02:15	
EPA 6010	Molybdenum	213	ug/L	10.0	10/11/24 02:15	
EPA 6010	Potassium	5870	ug/L	1000	10/11/24 02:15	
EPA 6010	Sodium	76700	ug/L	1000	10/11/24 02:15	
EPA 6010	Molybdenum, Dissolved	199	ug/L	10.0	10/09/24 21:11	
EPA 6020	Barium	60.1	ug/L	1.0	10/09/24 08:08	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383911007	**MW-6D**					
EPA 903.1	Radium-226	0.000 ± 0.505 (0.997) C:NA T:92%	pCi/L		10/21/24 13:34	
EPA 904.0	Radium-228	0.512 ± 0.325 (0.602) C:84% T:88%	pCi/L		10/22/24 11:58	
Total Radium Calculation	Total Radium	0.512 ± 0.830 (1.60)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	220	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	207	mg/L	10.0	10/04/24 20:45	
SM 2320B	Alkalinity,Carbonate (CaCO3)	13.2	mg/L	10.0	10/04/24 20:45	
SM 2540C	Total Dissolved Solids	467	mg/L	10.0	10/08/24 09:44	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/14/24 16:07	H3
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	10/04/24 16:49	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26D **Lab ID: 50383911001** Collected: 10/02/24 09:42 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**68.3**	mg/L	2.5	1.3	10		10/08/24 12:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/08/24 12:26	16984-48-8	
Sulfate	**87.8**	mg/L	2.5	1.9	10		10/08/24 12:43	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 01:58	7440-42-8	
Calcium	**110000**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 01:58	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 01:58	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 01:58	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 01:58	7439-93-2	
Magnesium	**29000**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 01:58	7439-95-4	
Manganese	**57.9**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 01:58	7439-96-5	
Molybdenum	**23.9**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 01:58	7439-98-7	
Potassium	**3190**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 01:58	7440-09-7	
Sodium	**53400**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 01:58	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**23.4**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 20:57	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 07:04	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 07:04	7440-38-2	
Barium	**110**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 07:04	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 07:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 07:04	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**316**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**316**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 20:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**514**	mg/L	10.0	10.0	1		10/08/24 09:42		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/14/24 15:54		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26D **Lab ID: 50383911001** Collected: 10/02/24 09:42 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/02/24 23:55	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.2**	mg/L	1.0	0.25	1		10/04/24 15:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26I **Lab ID: 50383911002** Collected: 10/02/24 10:50 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**133**	mg/L	2.5	1.3	10		10/08/24 13:16	16887-00-6	
Fluoride	**0.39**	mg/L	0.10	0.016	1		10/08/24 13:00	16984-48-8	
Sulfate	**110**	mg/L	2.5	1.9	10		10/08/24 13:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**175**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:00	7440-42-8	
Calcium	**70300**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:00	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:00	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:00	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:00	7439-93-2	
Magnesium	**21400**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:00	7439-95-4	
Manganese	**22.1**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:00	7439-96-5	
Molybdenum	**41.2**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:00	7439-98-7	
Potassium	**5840**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:00	7440-09-7	
Sodium	**123000**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:00	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**39.9**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:00	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 07:16	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 07:16	7440-38-2	
Barium	**75.0**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 07:16	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 07:16	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 07:16	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**237**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**237**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 20:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**589**	mg/L	10.0	10.0	1		10/08/24 09:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/14/24 15:59		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26I **Lab ID: 50383911002** Collected: 10/02/24 10:50 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.5**	mg/L	0.10	0.013	1		10/02/24 23:59	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.25	1		10/04/24 15:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26S **Lab ID: 50383911003** Collected: 10/02/24 11:56 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**285**	mg/L	25.0	13.0	100		10/08/24 14:24	16887-00-6	
Fluoride	**0.36**	mg/L	0.10	0.016	1		10/08/24 13:50	16984-48-8	
Sulfate	**890**	mg/L	25.0	19.0	100		10/08/24 14:24	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**3400**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:02	7440-42-8	
Calcium	**316000**	ug/L	2000	168	2	10/07/24 20:20	10/11/24 02:28	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:02	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:02	7439-92-1	
Lithium	**83.2**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:02	7439-93-2	
Magnesium	**73600**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:02	7439-95-4	
Manganese	**1910**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:02	7439-96-5	
Molybdenum	**151**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:02	7439-98-7	
Potassium	**14900**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:02	7440-09-7	
Sodium	**238000**	ug/L	2000	190	2	10/07/24 20:20	10/11/24 02:28	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**149**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:02	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 07:20	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 07:20	7440-38-2	
Barium	**34.3**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 07:20	7440-39-3	
Cobalt	**2.6**	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 07:20	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 07:20	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**238**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**238**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 20:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1990**	mg/L	20.0	20.0	1		10/08/24 09:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		10/14/24 16:03		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26S **Lab ID: 50383911003** Collected: 10/02/24 11:56 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 00:01	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	1.0	0.25	1		10/04/24 16:03		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: DUP-1 **Lab ID: 50383911004** Collected: 10/02/24 08:00 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**71.0**	mg/L	2.5	1.3	10		10/08/24 15:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/08/24 15:14	16984-48-8	
Sulfate	**89.0**	mg/L	2.5	1.9	10		10/08/24 15:31	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:04	7440-42-8	
Calcium	**113000**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:04	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:04	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:04	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:04	7439-93-2	
Magnesium	**29900**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:04	7439-95-4	
Manganese	**59.9**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:04	7439-96-5	
Molybdenum	**24.0**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:04	7439-98-7	
Potassium	**3410**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:04	7440-09-7	
Sodium	**55500**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:04	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**23.0**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:04	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 07:24	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 07:24	7440-38-2	
Barium	**109**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 07:24	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 07:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 07:24	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**315**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**315**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 20:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**554**	mg/L	10.0	10.0	1		10/08/24 09:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/11/24 15:55		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: DUP-1 **Lab ID: 50383911004** Collected: 10/02/24 08:00 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/02/24 23:48	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.25	1		10/04/24 16:14		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-8S **Lab ID: 50383911005** Collected: 10/02/24 14:20 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**281**	mg/L	25.0	13.0	100		10/08/24 16:38	16887-00-6	
Fluoride	**0.57**	mg/L	0.10	0.016	1		10/08/24 16:04	16984-48-8	
Sulfate	**696**	mg/L	25.0	19.0	100		10/08/24 16:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2440**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:06	7440-42-8	
Calcium	**254000**	ug/L	2000	168	2	10/07/24 20:20	10/11/24 02:30	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:06	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:06	7439-92-1	
Lithium	**75.3**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:06	7439-93-2	
Magnesium	**62300**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:06	7439-95-4	
Manganese	**276**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:06	7439-96-5	
Molybdenum	**155**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:06	7439-98-7	
Potassium	**16300**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:06	7440-09-7	
Sodium	**237000**	ug/L	2000	190	2	10/07/24 20:20	10/11/24 02:30	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**147**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:06	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 07:28	7440-36-0	
Arsenic	**5.3**	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 07:28	7440-38-2	
Barium	**106**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 07:28	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 07:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 07:28	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**226**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**226**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 20:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1670**	mg/L	20.0	20.0	1		10/08/24 09:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/14/24 16:08		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-8S **Lab ID: 50383911005** Collected: 10/02/24 14:20 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 00:08	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.4**	mg/L	1.0	0.25	1		10/04/24 16:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-6I **Lab ID: 50383911006** Collected: 10/02/24 15:15 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**102**	mg/L	2.5	1.3	10		10/08/24 17:11	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		10/08/24 16:55	16984-48-8	
Sulfate	**178**	mg/L	2.5	1.9	10		10/08/24 17:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2250**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:08	7440-42-8	
Calcium	**156000**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:08	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:08	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:08	7439-92-1	
Lithium	**120**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:08	7439-93-2	
Magnesium	**37100**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:08	7439-95-4	
Manganese	**110**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:08	7439-96-5	
Molybdenum	**120**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:08	7439-98-7	
Potassium	**14400**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:08	7440-09-7	
Sodium	**82000**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:08	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**113**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:08	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 07:40	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 07:40	7440-38-2	
Barium	**91.0**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 07:40	7440-39-3	
Cobalt	**1.0**	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 07:40	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 07:40	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**411**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**411**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 20:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**802**	mg/L	10.0	10.0	1		10/08/24 09:44		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		10/14/24 16:10		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-6I **Lab ID: 50383911006** Collected: 10/02/24 15:15 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 00:10	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	1.0	0.25	1		10/04/24 16:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-6D **Lab ID: 50383911007** Collected: 10/02/24 14:00 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**93.5**	mg/L	2.5	1.3	10		10/08/24 18:35	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.016	1		10/08/24 18:19	16984-48-8	
Sulfate	**85.6**	mg/L	2.5	1.9	10		10/08/24 18:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1420**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:15	7440-42-8	
Calcium	**85600**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:15	7440-70-2	
Iron	**142**	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:15	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:15	7439-92-1	
Lithium	**70.0**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:15	7439-93-2	
Magnesium	**16200**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:15	7439-95-4	
Manganese	**338**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:15	7439-96-5	
Molybdenum	**213**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:15	7439-98-7	
Potassium	**5870**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:15	7440-09-7	
Sodium	**76700**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:15	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**199**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:11	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 08:08	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 08:08	7440-38-2	
Barium	**60.1**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 08:08	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 08:08	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 08:08	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**220**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**207**	mg/L	10.0	10.0	1		10/04/24 20:45		
Alkalinity,Carbonate (CaCO3)	**13.2**	mg/L	10.0	10.0	1		10/04/24 20:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**467**	mg/L	10.0	10.0	1		10/08/24 09:44		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/14/24 16:07		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-6D **Lab ID: 50383911007** Collected: 10/02/24 14:00 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 00:07	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		10/04/24 16:49		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 812629
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3717260 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/08/24 10:05	
Fluoride	mg/L	ND	0.10	0.016	10/08/24 10:05	
Sulfate	mg/L	ND	0.25	0.19	10/08/24 10:05	

LABORATORY CONTROL SAMPLE: 3717261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.95	95	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717262 3717263

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	209	25	25	227	226	73	70	80-120	0	15	M0
Fluoride	mg/L	0.28	1	1	1.2	1.2	96	96	80-120	1	15	
Sulfate	mg/L	52.0	50	50	100	99.0	97	94	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717264 3717265

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.6	25	25	56.1	56.3	94	95	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.0	1.0	96	96	80-120	0	15	
Sulfate	mg/L	14.1	5	5	19.1	19.1	100	100	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 812119
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3715105 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/11/24 01:24	
Calcium	ug/L	ND	1000	83.9	10/11/24 01:24	
Iron	ug/L	ND	100	41.0	10/11/24 01:24	
Lead	ug/L	ND	10.0	2.0	10/11/24 01:24	
Lithium	ug/L	ND	20.0	3.8	10/11/24 01:24	
Magnesium	ug/L	ND	1000	53.7	10/11/24 01:24	
Manganese	ug/L	ND	10.0	0.77	10/11/24 01:24	
Molybdenum	ug/L	ND	10.0	1.4	10/11/24 01:24	
Potassium	ug/L	ND	1000	113	10/11/24 01:24	
Sodium	ug/L	ND	1000	95.0	10/11/24 01:24	

LABORATORY CONTROL SAMPLE: 3715106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	981	98	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Iron	ug/L	10000	10500	105	80-120	
Lead	ug/L	1000	995	99	80-120	
Lithium	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	10100	101	80-120	
Manganese	ug/L	1000	1040	104	80-120	
Molybdenum	ug/L	1000	1050	105	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Sodium	ug/L	10000	9960	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715107 3715108

Parameter	Units	50383901021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	<100	1000	1000	1020	1030	99	101	75-125	2	20	
Calcium	ug/L	92200	10000	10000	98900	98200	67	60	75-125	1	20	P6
Iron	ug/L	4800	10000	10000	14900	14900	101	101	75-125	0	20	
Lead	ug/L	<10.0	1000	1000	976	964	97	96	75-125	1	20	
Lithium	ug/L	<20.0	1000	1000	1000	1000	100	100	75-125	0	20	
Magnesium	ug/L	25400	10000	10000	34200	34100	89	87	75-125	0	20	
Manganese	ug/L	453	1000	1000	1450	1450	100	100	75-125	0	20	
Molybdenum	ug/L	<10.0	1000	1000	1060	1050	106	105	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715107 3715108

Parameter	Units	50383901021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	1450	10000	10000	11500	11500	101	100	75-125	0	20	
Sodium	ug/L	8440	10000	10000	18000	18000	96	96	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 812238 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3715688 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/09/24 20:38	

LABORATORY CONTROL SAMPLE: 3715689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	996	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715690 3715691

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	990	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 812225
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3715592 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/09/24 05:49	
Arsenic	ug/L	ND	1.0	0.080	10/09/24 05:49	
Barium	ug/L	ND	1.0	0.11	10/09/24 05:49	
Cobalt	ug/L	ND	1.0	0.045	10/09/24 05:49	
Selenium	ug/L	ND	1.0	0.26	10/09/24 05:49	

LABORATORY CONTROL SAMPLE: 3715593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.6	106	80-120	
Arsenic	ug/L	40	39.9	100	80-120	
Barium	ug/L	40	37.8	95	80-120	
Cobalt	ug/L	40	41.3	103	80-120	
Selenium	ug/L	40	40.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715594 3715595

Parameter	Units	50383911006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.1	43.3	107	108	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.8	39.2	97	98	75-125	1	20	
Barium	ug/L	91.0	40	40	127	127	91	91	75-125	0	20	
Cobalt	ug/L	1.0	40	40	39.1	39.1	95	95	75-125	0	20	
Selenium	ug/L	ND	40	40	39.7	39.4	99	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 812327 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3716121 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/04/24 20:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 20:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 20:45	

LABORATORY CONTROL SAMPLE: 3716122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.4	99	90-110	

SAMPLE DUPLICATE: 3716123

Parameter	Units	50383954002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	275	279	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	275	279	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3716124

Parameter	Units	50383954003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	480	487	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	480	487	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 812612 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3717211 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/08/24 09:37	

LABORATORY CONTROL SAMPLE: 3717212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	275	92	80-120	

SAMPLE DUPLICATE: 3717214

Parameter	Units	50383843001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3140	3250	3	10	

SAMPLE DUPLICATE: 3717219

Parameter	Units	50383907007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	389	390	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 813402
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50383911004

SAMPLE DUPLICATE: 3720831

Parameter	Units	50383907017 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.6	0	2	H3

SAMPLE DUPLICATE: 3720832

Parameter	Units	50383907013 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.0	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 813554
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911005, 50383911006, 50383911007

SAMPLE DUPLICATE: 3721840

Parameter	Units	50383911001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.5	4	2	H3,R1

SAMPLE DUPLICATE: 3721841

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 811920 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3714158 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/02/24 23:44	

LABORATORY CONTROL SAMPLE: 3714159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714160 3714161

Parameter	Units	50383911004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	0.99	0.99	99	99	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 812178 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3715366 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/04/24 15:14	

LABORATORY CONTROL SAMPLE: 3715367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715368 3715369

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.7	10.7	98	98	80-120	1	15	

MATRIX SPIKE SAMPLE: 3715370

Parameter	Units	50384010003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	10	11.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26D **Lab ID: 50383911001** Collected: 10/02/24 09:42 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.328 (0.693) C:NA T:87%**	pCi/L	10/21/24 13:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.01 ± 0.417 (0.649) C:84% T:84%**	pCi/L	10/22/24 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.01 ± 0.745 (1.34)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26I **Lab ID: 50383911002** Collected: 10/02/24 10:50 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.387 (0.792) C:NA T:87%**	pCi/L	10/21/24 13:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.03 ± 0.506 (0.890) C:83% T:78%**	pCi/L	10/22/24 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.03 ± 0.893 (1.68)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-26S **Lab ID: 50383911003** Collected: 10/02/24 11:56 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.279 ± 0.549 (0.965) C:NA T:97%**	pCi/L	10/21/24 13:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.22 ± 0.499 (0.791) C:84% T:83%**	pCi/L	10/22/24 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.50 ± 1.05 (1.76)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: DUP-1 **Lab ID: 50383911004** Collected: 10/02/24 08:00 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.249 ± 0.380 (0.654) C:NA T:91%**	pCi/L	10/21/24 13:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.24 ± 0.487 (0.780) C:86% T:87%**	pCi/L	10/22/24 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.49 ± 0.867 (1.43)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-8S **Lab ID: 50383911005** Collected: 10/02/24 14:20 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.280 ± 0.753 (1.34) C:NA T:94%**	pCi/L	10/21/24 13:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.501 ± 0.375 (0.737) C:84% T:84%**	pCi/L	10/22/24 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.781 ± 1.13 (2.08)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-6I **Lab ID: 50383911006** Collected: 10/02/24 15:15 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.916 ± 0.735 (1.11) C:NA T:88%**	pCi/L	10/21/24 13:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.640 ± 0.362 (0.646) C:81% T:84%**	pCi/L	10/22/24 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.56 ± 1.10 (1.76)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Sample: MW-6D **Lab ID: 50383911007** Collected: 10/02/24 14:00 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.505 (0.997) C:NA T:92%**	pCi/L	10/21/24 13:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.512 ± 0.325 (0.602) C:84% T:88%**	pCi/L	10/22/24 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.512 ± 0.830 (1.60)**	pCi/L	10/23/24 16:52	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 701600 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3417128 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.294 ± 0.207 (0.0997) C:NA T:93%	pCi/L	10/21/24 13:22	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

QC Batch: 701601 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

METHOD BLANK: 3417129 Matrix: Water
Associated Lab Samples: 50383911001, 50383911002, 50383911003, 50383911004, 50383911005, 50383911006, 50383911007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.622 ± 0.352 (0.629) C:84% T:83%	pCi/L	10/22/24 11:57	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50383911001	**MW-26D**	EPA 9056	812629		
50383911002	**MW-26I**	EPA 9056	812629		
50383911003	**MW-26S**	EPA 9056	812629		
50383911004	**DUP-1**	EPA 9056	812629		
50383911005	**MW-8S**	EPA 9056	812629		
50383911006	**MW-6I**	EPA 9056	812629		
50383911007	**MW-6D**	EPA 9056	812629		
50383911001	**MW-26D**	EPA 3010	812119	EPA 6010	813254
50383911002	**MW-26I**	EPA 3010	812119	EPA 6010	813254
50383911003	**MW-26S**	EPA 3010	812119	EPA 6010	813254
50383911004	**DUP-1**	EPA 3010	812119	EPA 6010	813254
50383911005	**MW-8S**	EPA 3010	812119	EPA 6010	813254
50383911006	**MW-6I**	EPA 3010	812119	EPA 6010	813254
50383911007	**MW-6D**	EPA 3010	812119	EPA 6010	813254
50383911001	**MW-26D**	EPA 3010	812238	EPA 6010	812771
50383911002	**MW-26I**	EPA 3010	812238	EPA 6010	812771
50383911003	**MW-26S**	EPA 3010	812238	EPA 6010	812771
50383911004	**DUP-1**	EPA 3010	812238	EPA 6010	812771
50383911005	**MW-8S**	EPA 3010	812238	EPA 6010	812771
50383911006	**MW-6I**	EPA 3010	812238	EPA 6010	812771
50383911007	**MW-6D**	EPA 3010	812238	EPA 6010	812771
50383911001	**MW-26D**	EPA 200.2	812225	EPA 6020	812579
50383911002	**MW-26I**	EPA 200.2	812225	EPA 6020	812579
50383911003	**MW-26S**	EPA 200.2	812225	EPA 6020	812579
50383911004	**DUP-1**	EPA 200.2	812225	EPA 6020	812579
50383911005	**MW-8S**	EPA 200.2	812225	EPA 6020	812579
50383911006	**MW-6I**	EPA 200.2	812225	EPA 6020	812579
50383911007	**MW-6D**	EPA 200.2	812225	EPA 6020	812579
50383911001	**MW-26D**	EPA 903.1	701600		
50383911002	**MW-26I**	EPA 903.1	701600		
50383911003	**MW-26S**	EPA 903.1	701600		
50383911004	**DUP-1**	EPA 903.1	701600		
50383911005	**MW-8S**	EPA 903.1	701600		
50383911006	**MW-6I**	EPA 903.1	701600		
50383911007	**MW-6D**	EPA 903.1	701600		
50383911001	**MW-26D**	EPA 904.0	701601		
50383911002	**MW-26I**	EPA 904.0	701601		
50383911003	**MW-26S**	EPA 904.0	701601		
50383911004	**DUP-1**	EPA 904.0	701601		
50383911005	**MW-8S**	EPA 904.0	701601		
50383911006	**MW-6I**	EPA 904.0	701601		
50383911007	**MW-6D**	EPA 904.0	701601		
50383911001	**MW-26D**	Total Radium Calculation	704885		
50383911002	**MW-26I**	Total Radium Calculation	704885		
50383911003	**MW-26S**	Total Radium Calculation	704885		
50383911004	**DUP-1**	Total Radium Calculation	704885		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50383911

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50383911005	**MW-8S**	Total Radium Calculation	704885		
50383911006	**MW-6I**	Total Radium Calculation	704885		
50383911007	**MW-6D**	Total Radium Calculation	704885		
50383911001	**MW-26D**	SM 2320B	812327		
50383911002	**MW-26I**	SM 2320B	812327		
50383911003	**MW-26S**	SM 2320B	812327		
50383911004	**DUP-1**	SM 2320B	812327		
50383911005	**MW-8S**	SM 2320B	812327		
50383911006	**MW-6I**	SM 2320B	812327		
50383911007	**MW-6D**	SM 2320B	812327		
50383911001	**MW-26D**	SM 2540C	812612		
50383911002	**MW-26I**	SM 2540C	812612		
50383911003	**MW-26S**	SM 2540C	812612		
50383911004	**DUP-1**	SM 2540C	812612		
50383911005	**MW-8S**	SM 2540C	812612		
50383911006	**MW-6I**	SM 2540C	812612		
50383911007	**MW-6D**	SM 2540C	812612		
50383911001	**MW-26D**	SM 4500-H+B	813554		
50383911002	**MW-26I**	SM 4500-H+B	813554		
50383911003	**MW-26S**	SM 4500-H+B	813554		
50383911004	**DUP-1**	SM 4500-H+B	813402		
50383911005	**MW-8S**	SM 4500-H+B	813554		
50383911006	**MW-6I**	SM 4500-H+B	813554		
50383911007	**MW-6D**	SM 4500-H+B	813554		
50383911001	**MW-26D**	EPA 353.2	811920		
50383911002	**MW-26I**	EPA 353.2	811920		
50383911003	**MW-26S**	EPA 353.2	811920		
50383911004	**DUP-1**	EPA 353.2	811920		
50383911005	**MW-8S**	EPA 353.2	811920		
50383911006	**MW-6I**	EPA 353.2	811920		
50383911007	**MW-6D**	EPA 353.2	811920		
50383911001	**MW-26D**	SM 5310C	812178		
50383911002	**MW-26I**	SM 5310C	812178		
50383911003	**MW-26S**	SM 5310C	812178		
50383911004	**DUP-1**	SM 5310C	812178		
50383911005	**MW-8S**	SM 5310C	812178		
50383911006	**MW-6I**	SM 5310C	812178		
50383911007	**MW-6D**	SM 5310C	812178		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50383911

50383911

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-26D	GW	G	10/2/24	0942						X	X	X	X	X	X	X	X	
MW-26I	GW	G	10/2/24	1050														
MW-26S	GW	G	10/2/24	1156														
DUP-1	GW	G	10/2/24	—														
MW-8S	GW	G	10/2/24	1420														
MW-6I	GW	G	10/2/24	1535														
MW-6D	GW	G	10/2/24	1400														

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Mohammed Bazlamit
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	B	0.0	0.9	0.9	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/2/24 1600	Pace	10/2/24 1600	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/8/24 1835 BM

1. Thermometer: 1 2 3 4 5 6 7 8 9 A (B) C D E F G H I
2. Cooler Temperature(s): 0.9/0.9 | 5.5/5.5 | 4.0/4.0 |

3. Courier: FED EX UPS CLIENT PACE NOW/JETT OTHER _____
4. Custody Seal on Cooler/Box Present: Yes No
(If yes)Seals Intact: Yes No (leave blank if no seals were present)
(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. Packing Material: Bubble Wrap Bubble Bags None Other _____
6. Ice Type: Wet Blue None
7. Was the PM notified of out of temp cooler?: Yes No
Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: **HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?			✓
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?		✓	
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU	BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
				AMBER GLASS												PLASTIC									OTHER										
1														1			2	1	2	1	1									SL	✓			
2														1			2	1	2	1	1									SL	✓			
3														1			2	1	2	1	1									SL	✓			
4														1			2	1	2	1	1									SL	✓			
5														1			2	1	2	1	1									SL	✓			
6														1			2	1	2	1	1									SL	✓			
7														1			2	1	2	1	1									SL	✓			
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Dear Mr. Breting:

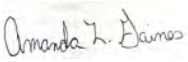
Enclosed are the analytical results for sample(s) received by the laboratory on October 02, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50383912001	**MW-15I**	Water	10/02/24 10:30	10/02/24 16:00
50383912002	**DUP-5**	Water	10/02/24 08:00	10/02/24 16:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50383912001	**MW-15I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383912002	**DUP-5**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383912001	**MW-15I**					
EPA 9056	Chloride	71.2	mg/L	2.5	10/08/24 22:26	
EPA 9056	Fluoride	0.28	mg/L	0.10	10/08/24 22:10	
EPA 9056	Sulfate	109	mg/L	2.5	10/08/24 22:26	
EPA 6010	Boron	2760	ug/L	100	10/11/24 02:17	
EPA 6010	Calcium	113000	ug/L	1000	10/11/24 02:17	
EPA 6010	Lithium	114	ug/L	20.0	10/11/24 02:17	
EPA 6010	Magnesium	26100	ug/L	1000	10/11/24 02:17	
EPA 6010	Manganese	85.9	ug/L	10.0	10/11/24 02:17	
EPA 6010	Molybdenum	208	ug/L	10.0	10/11/24 02:17	
EPA 6010	Potassium	11100	ug/L	1000	10/11/24 02:17	
EPA 6010	Sodium	65200	ug/L	1000	10/11/24 02:17	
EPA 6010	Molybdenum, Dissolved	188	ug/L	10.0	10/09/24 21:17	
EPA 6020	Barium	57.3	ug/L	1.0	10/05/24 02:10	
EPA 903.1	Radium-226	0.815 ± 0.548 (0.760) C:NA T:97%	pCi/L		10/21/24 13:22	
EPA 904.0	Radium-228	1.34 ± 0.455 (0.590) C:83% T:82%	pCi/L		10/22/24 11:57	
Total Radium Calculation	Total Radium	2.16 ± 1.00 (1.35)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	302	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	302	mg/L	10.0	10/03/24 23:20	
SM 2540C	Total Dissolved Solids	531	mg/L	10.0	10/08/24 09:44	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/14/24 15:56	H3
50383912002	**DUP-5**					
EPA 9056	Chloride	71.2	mg/L	2.5	10/08/24 22:58	
EPA 9056	Fluoride	0.27	mg/L	0.10	10/08/24 22:42	
EPA 9056	Sulfate	109	mg/L	2.5	10/08/24 22:58	
EPA 6010	Boron	2680	ug/L	100	10/11/24 02:19	
EPA 6010	Calcium	109000	ug/L	1000	10/11/24 02:19	
EPA 6010	Lithium	107	ug/L	20.0	10/11/24 02:19	
EPA 6010	Magnesium	25200	ug/L	1000	10/11/24 02:19	
EPA 6010	Manganese	82.5	ug/L	10.0	10/11/24 02:19	
EPA 6010	Molybdenum	197	ug/L	10.0	10/11/24 02:19	
EPA 6010	Potassium	10700	ug/L	1000	10/11/24 02:19	
EPA 6010	Sodium	62900	ug/L	1000	10/11/24 02:19	
EPA 6010	Molybdenum, Dissolved	192	ug/L	10.0	10/09/24 21:19	
EPA 6020	Barium	57.1	ug/L	1.0	10/05/24 02:14	
EPA 903.1	Radium-226	0.584 ± 0.654 (1.07) C:NA T:91%	pCi/L		10/21/24 13:22	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383912002	**DUP-5**					
EPA 904.0	Radium-228	1.00 ± 0.399 (0.594) C:80% T:87%	pCi/L		10/22/24 11:57	
Total Radium Calculation	Total Radium	1.58 ± 1.05 (1.66)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	303	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	303	mg/L	10.0	10/03/24 23:20	
SM 2540C	Total Dissolved Solids	537	mg/L	10.0	10/08/24 09:45	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	10/11/24 15:56	H3

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Sample: MW-15I **Lab ID: 50383912001** Collected: 10/02/24 10:30 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**71.2**	mg/L	2.5	1.3	10		10/08/24 22:26	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.016	1		10/08/24 22:10	16984-48-8	
Sulfate	**109**	mg/L	2.5	1.9	10		10/08/24 22:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2760**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:17	7440-42-8	
Calcium	**113000**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:17	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:17	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:17	7439-92-1	
Lithium	**114**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:17	7439-93-2	
Magnesium	**26100**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:17	7439-95-4	
Manganese	**85.9**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:17	7439-96-5	
Molybdenum	**208**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:17	7439-98-7	
Potassium	**11100**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:17	7440-09-7	
Sodium	**65200**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:17	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**188**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:17	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/04/24 09:45	10/05/24 02:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/04/24 09:45	10/05/24 02:10	7440-38-2	
Barium	**57.3**	ug/L	1.0	0.11	1	10/04/24 09:45	10/05/24 02:10	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/04/24 09:45	10/05/24 02:10	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/04/24 09:45	10/05/24 02:10	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**302**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Bicarbonate (CaCO3)	**302**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/03/24 23:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**531**	mg/L	10.0	10.0	1		10/08/24 09:44		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/14/24 15:56		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Sample: MW-15I **Lab ID: 50383912001** Collected: 10/02/24 10:30 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/02/24 23:57	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/04/24 17:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Sample: DUP-5 **Lab ID: 50383912002** Collected: 10/02/24 08:00 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**71.2**	mg/L	2.5	1.3	10		10/08/24 22:58	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		10/08/24 22:42	16984-48-8	
Sulfate	**109**	mg/L	2.5	1.9	10		10/08/24 22:58	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**2680**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:19	7440-42-8	
Calcium	**109000**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:19	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:19	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:19	7439-92-1	
Lithium	**107**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:19	7439-93-2	
Magnesium	**25200**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:19	7439-95-4	
Manganese	**82.5**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:19	7439-96-5	
Molybdenum	**197**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:19	7439-98-7	
Potassium	**10700**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:19	7440-09-7	
Sodium	**62900**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:19	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**192**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:19	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/04/24 09:45	10/05/24 02:14	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/04/24 09:45	10/05/24 02:14	7440-38-2	
Barium	**57.1**	ug/L	1.0	0.11	1	10/04/24 09:45	10/05/24 02:14	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/04/24 09:45	10/05/24 02:14	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/04/24 09:45	10/05/24 02:14	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**303**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Bicarbonate (CaCO3)	**303**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/03/24 23:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**537**	mg/L	10.0	10.0	1		10/08/24 09:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		10/11/24 15:56		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Sample: DUP-5 **Lab ID: 50383912002** Collected: 10/02/24 08:00 Received: 10/02/24 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/02/24 23:54	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/04/24 17:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 812296
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3715939 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/05/24 17:28	
Fluoride	mg/L	ND	0.10	0.016	10/05/24 17:28	
Sulfate	mg/L	ND	0.25	0.19	10/05/24 17:28	

LABORATORY CONTROL SAMPLE: 3715940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.94	94	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715945 3715946

Parameter	Units	50383774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.1	25	25	44.9	44.9	91	91	80-120	0	15	
Fluoride	mg/L	0.30	1	1	1.3	1.3	104	104	80-120	1	15	
Sulfate	mg/L	29.2	5	5	34.2	34.2	100	101	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 812119
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3715105 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/11/24 01:24	
Calcium	ug/L	ND	1000	83.9	10/11/24 01:24	
Iron	ug/L	ND	100	41.0	10/11/24 01:24	
Lead	ug/L	ND	10.0	2.0	10/11/24 01:24	
Lithium	ug/L	ND	20.0	3.8	10/11/24 01:24	
Magnesium	ug/L	ND	1000	53.7	10/11/24 01:24	
Manganese	ug/L	ND	10.0	0.77	10/11/24 01:24	
Molybdenum	ug/L	ND	10.0	1.4	10/11/24 01:24	
Potassium	ug/L	ND	1000	113	10/11/24 01:24	
Sodium	ug/L	ND	1000	95.0	10/11/24 01:24	

LABORATORY CONTROL SAMPLE: 3715106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	981	98	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Iron	ug/L	10000	10500	105	80-120	
Lead	ug/L	1000	995	99	80-120	
Lithium	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	10100	101	80-120	
Manganese	ug/L	1000	1040	104	80-120	
Molybdenum	ug/L	1000	1050	105	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Sodium	ug/L	10000	9960	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715107 3715108

Parameter	Units	50383901021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	<100	1000	1000	1020	1030	99	101	75-125	2	20	
Calcium	ug/L	92200	10000	10000	98900	98200	67	60	75-125	1	20	P6
Iron	ug/L	4800	10000	10000	14900	14900	101	101	75-125	0	20	
Lead	ug/L	<10.0	1000	1000	976	964	97	96	75-125	1	20	
Lithium	ug/L	<20.0	1000	1000	1000	1000	100	100	75-125	0	20	
Magnesium	ug/L	25400	10000	10000	34200	34100	89	87	75-125	0	20	
Manganese	ug/L	453	1000	1000	1450	1450	100	100	75-125	0	20	
Molybdenum	ug/L	<10.0	1000	1000	1060	1050	106	105	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715107 3715108

Parameter	Units	50383901021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	1450	10000	10000	11500	11500	101	100	75-125	0	20	
Sodium	ug/L	8440	10000	10000	18000	18000	96	96	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 812238
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3715688 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/09/24 20:38	

LABORATORY CONTROL SAMPLE: 3715689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	996	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715690 3715691

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	990	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 811963
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3714265 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/05/24 02:02	
Arsenic	ug/L	ND	1.0	0.080	10/05/24 02:02	
Barium	ug/L	ND	1.0	0.11	10/05/24 02:02	
Cobalt	ug/L	ND	1.0	0.045	10/05/24 02:02	
Selenium	ug/L	ND	1.0	0.26	10/05/24 02:02	

LABORATORY CONTROL SAMPLE: 3714266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.0	105	80-120	
Arsenic	ug/L	40	40.5	101	80-120	
Barium	ug/L	40	37.7	94	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	38.5	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714267 3714268

Parameter	Units	50383907013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.7	42.6	107	106	75-125	0	20	
Arsenic	ug/L	0.0058 mg/L	40	40	46.3	45.5	101	99	75-125	2	20	
Barium	ug/L	0.093 mg/L	40	40	133	133	100	101	75-125	0	20	
Cobalt	ug/L	ND	40	40	37.5	37.5	92	92	75-125	0	20	
Selenium	ug/L	ND	40	40	42.7	41.9	106	104	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 812113
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3715068 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/03/24 23:20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/03/24 23:20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/03/24 23:20	

LABORATORY CONTROL SAMPLE: 3715069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.7	97	90-110	

SAMPLE DUPLICATE: 3715070

Parameter	Units	50383594001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	326	332	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	326	332	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3715071

Parameter	Units	50383667001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	126	128	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	120	123	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 812612
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3717211 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/08/24 09:37	

LABORATORY CONTROL SAMPLE: 3717212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	275	92	80-120	

SAMPLE DUPLICATE: 3717214

Parameter	Units	50383843001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3140	3250	3	10	

SAMPLE DUPLICATE: 3717219

Parameter	Units	50383907007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	389	390	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 813402
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50383912002

SAMPLE DUPLICATE: 3720831

Parameter	Units	50383907017 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.6	0	2	H3

SAMPLE DUPLICATE: 3720832

Parameter	Units	50383907013 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.0	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 813554
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50383912001

SAMPLE DUPLICATE: 3721840

Parameter	Units	50383911001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.5	4	2	H3,R1

SAMPLE DUPLICATE: 3721841

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 811920
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3714158 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/02/24 23:44	

LABORATORY CONTROL SAMPLE: 3714159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714160 3714161

Parameter	Units	50383911004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	0.99	0.99	99	99	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 812178
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3715366 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/04/24 15:14	

LABORATORY CONTROL SAMPLE: 3715367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715368 3715369

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.7	10.7	98	98	80-120	1	15	

MATRIX SPIKE SAMPLE: 3715370

Parameter	Units	50384010003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	10	11.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Sample: MW-15I **Lab ID: 50383912001** Collected: 10/02/24 10:30 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.815 ± 0.548 (0.760) C:NA T:97%**	pCi/L	10/21/24 13:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.34 ± 0.455 (0.590) C:83% T:82%**	pCi/L	10/22/24 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.16 ± 1.00 (1.35)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Sample: DUP-5 **Lab ID: 50383912002** Collected: 10/02/24 08:00 Received: 10/02/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.584 ± 0.654 (1.07) C:NA T:91%**	pCi/L	10/21/24 13:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.00 ± 0.399 (0.594) C:80% T:87%**	pCi/L	10/22/24 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.58 ± 1.05 (1.66)**	pCi/L	10/23/24 16:52	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 701600
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3417128 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.294 ± 0.207 (0.0997) C:NA T:93%	pCi/L	10/21/24 13:22	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

QC Batch: 701601
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383912001, 50383912002

METHOD BLANK: 3417129 Matrix: Water
Associated Lab Samples: 50383912001, 50383912002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.622 ± 0.352 (0.629) C:84% T:83%	pCi/L	10/22/24 11:57	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50383912

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50383912001	**MW-15I**	EPA 9056	812296		
50383912002	**DUP-5**	EPA 9056	812296		
50383912001	**MW-15I**	EPA 3010	812119	EPA 6010	813254
50383912002	**DUP-5**	EPA 3010	812119	EPA 6010	813254
50383912001	**MW-15I**	EPA 3010	812238	EPA 6010	812771
50383912002	**DUP-5**	EPA 3010	812238	EPA 6010	812771
50383912001	**MW-15I**	EPA 200.2	811963	EPA 6020	812337
50383912002	**DUP-5**	EPA 200.2	811963	EPA 6020	812337
50383912001	**MW-15I**	EPA 903.1	701600		
50383912002	**DUP-5**	EPA 903.1	701600		
50383912001	**MW-15I**	EPA 904.0	701601		
50383912002	**DUP-5**	EPA 904.0	701601		
50383912001	**MW-15I**	Total Radium Calculation	704885		
50383912002	**DUP-5**	Total Radium Calculation	704885		
50383912001	**MW-15I**	SM 2320B	812113		
50383912002	**DUP-5**	SM 2320B	812113		
50383912001	**MW-15I**	SM 2540C	812612		
50383912002	**DUP-5**	SM 2540C	812612		
50383912001	**MW-15I**	SM 4500-H+B	813554		
50383912002	**DUP-5**	SM 4500-H+B	813402		
50383912001	**MW-15I**	EPA 353.2	811920		
50383912002	**DUP-5**	EPA 353.2	811920		
50383912001	**MW-15I**	SM 5310C	812178		
50383912002	**DUP-5**	SM 5310C	812178		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50383912

50383912

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024	Invoice To:	Accounts Payable
	PIR2	Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment	Preservation non-conformance identified for sample:
MW-45I	GW	G	10/2/24	1030						X	X										
DUP-5	GW	G	10/2/24	—																	

Lab Use Only
Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Mohammed Barlamot
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On ice:
3	B	0.0	0.9	0.9	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	10/2/24 1600	NA / Pace	10/2/24 1600
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/8/24 1835 SM

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A (B) C D E F G H I
2. **Cooler Temperature(s):** 0.9/0.9 | 5.5/5.5 | 4.0/4.0 |

3. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
4. **Custody Seal on Cooler/Box Present:** ☑ Yes No
   (If yes)Seals Intact: ☑ Yes ☐ No **(leave blank if no seals were present)**
   (Initial/Corrected) **RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)**

5. **Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **Was the PM notified of out of temp cooler?:** ☐ Yes ☐ No
   Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.**	✓		
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓		**Circle:** **HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?			✓
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?		✓	
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 2 of 2

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU	BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1														1			2	1	2	1	1									WT	✓			
2														1			2	1	2	1	1									ST	✓			
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb.glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Dear Mr. Breting:

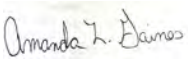
Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384009001	**MW-19D**	Water	10/03/24 10:48	10/03/24 13:19
50384009002	**MW-19I**	Water	10/03/24 12:25	10/03/24 13:19
50384009003	**DUP8**	Water	10/03/24 00:00	10/03/24 13:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384009001	**MW-19D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384009002	**MW-19I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384009003	**DUP8**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384009001	**MW-19D**					
EPA 9056	Chloride	93.6	mg/L	2.5	10/08/24 20:50	
EPA 9056	Sulfate	131	mg/L	2.5	10/08/24 20:50	
EPA 6010	Boron	4970	ug/L	100	10/11/24 02:21	
EPA 6010	Calcium	91400	ug/L	1000	10/11/24 02:21	
EPA 6010	Iron	130	ug/L	100	10/11/24 02:21	
EPA 6010	Lithium	36.6	ug/L	20.0	10/11/24 02:21	
EPA 6010	Magnesium	21200	ug/L	1000	10/11/24 02:21	
EPA 6010	Manganese	315	ug/L	10.0	10/11/24 02:21	
EPA 6010	Molybdenum	35.7	ug/L	10.0	10/11/24 02:21	
EPA 6010	Potassium	3760	ug/L	1000	10/11/24 02:21	
EPA 6010	Sodium	90100	ug/L	1000	10/11/24 02:21	
EPA 6010	Molybdenum, Dissolved	37.6	ug/L	10.0	10/09/24 21:22	
EPA 6020	Barium	37.4	ug/L	1.0	10/09/24 10:28	
EPA 903.1	Radium-226	-0.0552 ± 0.582 (1.14) C:NA T:93%	pCi/L		10/21/24 13:34	
EPA 904.0	Radium-228	0.903 ± 0.401 (0.657) C:84% T:88%	pCi/L		10/22/24 11:58	
Total Radium Calculation	Total Radium	0.903 ± 0.983 (1.80)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	239	mg/L	10.0	10/04/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	239	mg/L	10.0	10/04/24 23:29	
SM 2540C	Total Dissolved Solids	557	mg/L	10.0	10/08/24 13:36	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/14/24 16:13	H3
50384009002	**MW-19I**					
EPA 9056	Chloride	45.0	mg/L	2.5	10/08/24 21:57	
EPA 9056	Sulfate	50.0	mg/L	2.5	10/08/24 21:57	
EPA 6010	Boron	2950	ug/L	100	10/11/24 02:23	
EPA 6010	Calcium	74500	ug/L	1000	10/11/24 02:23	
EPA 6010	Lithium	73.6	ug/L	20.0	10/11/24 02:23	
EPA 6010	Magnesium	16100	ug/L	1000	10/11/24 02:23	
EPA 6010	Manganese	64.0	ug/L	10.0	10/11/24 02:23	
EPA 6010	Molybdenum	158	ug/L	10.0	10/11/24 02:23	
EPA 6010	Potassium	5550	ug/L	1000	10/11/24 02:23	
EPA 6010	Sodium	56400	ug/L	1000	10/11/24 02:23	
EPA 6010	Molybdenum, Dissolved	152	ug/L	10.0	10/09/24 21:24	
EPA 6020	Barium	56.9	ug/L	1.0	10/09/24 10:32	
EPA 903.1	Radium-226	-0.0488 ± 0.533 (1.04) C:NA T:98%	pCi/L		10/21/24 13:34	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384009002	**MW-19I**					
EPA 904.0	Radium-228	1.02 ± 0.433 (0.696) C:84% T:82%	pCi/L		10/22/24 11:58	
Total Radium Calculation	Total Radium	1.02 ± 0.966 (1.74)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	247	mg/L	10.0	10/04/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	247	mg/L	10.0	10/04/24 23:29	
SM 2540C	Total Dissolved Solids	370	mg/L	10.0	10/08/24 13:36	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/14/24 16:17	H3
50384009003	**DUP8**					
EPA 9056	Chloride	94.0	mg/L	2.5	10/08/24 22:30	
EPA 9056	Sulfate	133	mg/L	2.5	10/08/24 22:30	
EPA 6010	Boron	4890	ug/L	100	10/11/24 02:26	
EPA 6010	Calcium	89600	ug/L	1000	10/11/24 02:26	
EPA 6010	Iron	122	ug/L	100	10/11/24 02:26	
EPA 6010	Lithium	40.1	ug/L	20.0	10/11/24 02:26	
EPA 6010	Magnesium	20600	ug/L	1000	10/11/24 02:26	
EPA 6010	Manganese	304	ug/L	10.0	10/11/24 02:26	
EPA 6010	Molybdenum	38.2	ug/L	10.0	10/11/24 02:26	
EPA 6010	Potassium	3760	ug/L	1000	10/11/24 02:26	
EPA 6010	Sodium	88600	ug/L	1000	10/11/24 02:26	
EPA 6010	Molybdenum, Dissolved	37.5	ug/L	10.0	10/09/24 21:26	
EPA 6020	Barium	37.5	ug/L	1.0	10/09/24 10:36	
EPA 903.1	Radium-226	0.514 ± 0.479 (0.740) C:NA T:92%	pCi/L		10/21/24 13:34	
EPA 904.0	Radium-228	0.778 ± 0.471 (0.897) C:84% T:84%	pCi/L		10/22/24 11:58	
Total Radium Calculation	Total Radium	1.29 ± 0.950 (1.64)	pCi/L		10/23/24 16:52	
SM 2320B	Alkalinity, Total as CaCO3	239	mg/L	10.0	10/04/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	239	mg/L	10.0	10/04/24 23:29	
SM 2540C	Total Dissolved Solids	559	mg/L	10.0	10/08/24 13:36	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/14/24 16:11	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: MW-19D **Lab ID: 50384009001** Collected: 10/03/24 10:48 Received: 10/03/24 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**93.6**	mg/L	2.5	1.3	10		10/08/24 20:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/08/24 20:33	16984-48-8	
Sulfate	**131**	mg/L	2.5	1.9	10		10/08/24 20:50	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4970**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:21	7440-42-8	
Calcium	**91400**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:21	7440-70-2	
Iron	**130**	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:21	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:21	7439-92-1	
Lithium	**36.6**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:21	7439-93-2	
Magnesium	**21200**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:21	7439-95-4	
Manganese	**315**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:21	7439-96-5	
Molybdenum	**35.7**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:21	7439-98-7	
Potassium	**3760**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:21	7440-09-7	
Sodium	**90100**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**37.6**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:22	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 10:28	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 10:28	7440-38-2	
Barium	**37.4**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 10:28	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 10:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 10:28	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**239**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**557**	mg/L	10.0	10.0	1		10/08/24 13:36		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/14/24 16:13		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: MW-19D **Lab ID: 50384009001** Collected: 10/03/24 10:48 Received: 10/03/24 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 22:46	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/04/24 17:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: MW-19I **Lab ID: 50384009002** Collected: 10/03/24 12:25 Received: 10/03/24 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**45.0**	mg/L	2.5	1.3	10		10/08/24 21:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/08/24 21:40	16984-48-8	
Sulfate	**50.0**	mg/L	2.5	1.9	10		10/08/24 21:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2950**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:23	7440-42-8	
Calcium	**74500**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:23	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:23	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:23	7439-92-1	
Lithium	**73.6**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:23	7439-93-2	
Magnesium	**16100**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:23	7439-95-4	
Manganese	**64.0**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:23	7439-96-5	
Molybdenum	**158**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:23	7439-98-7	
Potassium	**5550**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:23	7440-09-7	
Sodium	**56400**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:23	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**152**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:24	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 10:32	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 10:32	7440-38-2	
Barium	**56.9**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 10:32	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 10:32	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 10:32	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**247**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**247**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**370**	mg/L	10.0	10.0	1		10/08/24 13:36		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/14/24 16:17		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: MW-19I **Lab ID: 50384009002** Collected: 10/03/24 12:25 Received: 10/03/24 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 22:54	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/04/24 17:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: DUP8 **Lab ID: 50384009003** Collected: 10/03/24 00:00 Received: 10/03/24 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**94.0**	mg/L	2.5	1.3	10		10/08/24 22:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/08/24 22:14	16984-48-8	
Sulfate	**133**	mg/L	2.5	1.9	10		10/08/24 22:30	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4890**	ug/L	100	5.6	1	10/07/24 20:20	10/11/24 02:26	7440-42-8	
Calcium	**89600**	ug/L	1000	83.9	1	10/07/24 20:20	10/11/24 02:26	7440-70-2	
Iron	**122**	ug/L	100	41.0	1	10/07/24 20:20	10/11/24 02:26	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/07/24 20:20	10/11/24 02:26	7439-92-1	
Lithium	**40.1**	ug/L	20.0	3.8	1	10/07/24 20:20	10/11/24 02:26	7439-93-2	
Magnesium	**20600**	ug/L	1000	53.7	1	10/07/24 20:20	10/11/24 02:26	7439-95-4	
Manganese	**304**	ug/L	10.0	0.77	1	10/07/24 20:20	10/11/24 02:26	7439-96-5	
Molybdenum	**38.2**	ug/L	10.0	1.4	1	10/07/24 20:20	10/11/24 02:26	7439-98-7	
Potassium	**3760**	ug/L	1000	113	1	10/07/24 20:20	10/11/24 02:26	7440-09-7	
Sodium	**88600**	ug/L	1000	95.0	1	10/07/24 20:20	10/11/24 02:26	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**37.5**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:26	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 10:36	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 10:36	7440-38-2	
Barium	**37.5**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 10:36	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 10:36	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 10:36	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**239**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**559**	mg/L	10.0	10.0	1		10/08/24 13:36		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/14/24 16:11		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: DUP8 **Lab ID: 50384009003** Collected: 10/03/24 00:00 Received: 10/03/24 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 22:43	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/04/24 18:01		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812629
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3717260 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/08/24 10:05	
Fluoride	mg/L	ND	0.10	0.016	10/08/24 10:05	
Sulfate	mg/L	ND	0.25	0.19	10/08/24 10:05	

LABORATORY CONTROL SAMPLE: 3717261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.95	95	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717262 3717263

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	209	25	25	227	226	73	70	80-120	0	15	M0
Fluoride	mg/L	0.28	1	1	1.2	1.2	96	96	80-120	1	15	
Sulfate	mg/L	52.0	50	50	100	99.0	97	94	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717264 3717265

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.6	25	25	56.1	56.3	94	95	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.0	1.0	96	96	80-120	0	15	
Sulfate	mg/L	14.1	5	5	19.1	19.1	100	100	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812119
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3715105 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/11/24 01:24	
Calcium	ug/L	ND	1000	83.9	10/11/24 01:24	
Iron	ug/L	ND	100	41.0	10/11/24 01:24	
Lead	ug/L	ND	10.0	2.0	10/11/24 01:24	
Lithium	ug/L	ND	20.0	3.8	10/11/24 01:24	
Magnesium	ug/L	ND	1000	53.7	10/11/24 01:24	
Manganese	ug/L	ND	10.0	0.77	10/11/24 01:24	
Molybdenum	ug/L	ND	10.0	1.4	10/11/24 01:24	
Potassium	ug/L	ND	1000	113	10/11/24 01:24	
Sodium	ug/L	ND	1000	95.0	10/11/24 01:24	

LABORATORY CONTROL SAMPLE: 3715106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	981	98	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Iron	ug/L	10000	10500	105	80-120	
Lead	ug/L	1000	995	99	80-120	
Lithium	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	10100	101	80-120	
Manganese	ug/L	1000	1040	104	80-120	
Molybdenum	ug/L	1000	1050	105	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Sodium	ug/L	10000	9960	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715107 3715108

Parameter	Units	50383901021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	<100	1000	1000	1020	1030	99	101	75-125	2	20	
Calcium	ug/L	92200	10000	10000	98900	98200	67	60	75-125	1	20	P6
Iron	ug/L	4800	10000	10000	14900	14900	101	101	75-125	0	20	
Lead	ug/L	<10.0	1000	1000	976	964	97	96	75-125	1	20	
Lithium	ug/L	<20.0	1000	1000	1000	1000	100	100	75-125	0	20	
Magnesium	ug/L	25400	10000	10000	34200	34100	89	87	75-125	0	20	
Manganese	ug/L	453	1000	1000	1450	1450	100	100	75-125	0	20	
Molybdenum	ug/L	<10.0	1000	1000	1060	1050	106	105	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715107 3715108

Parameter	Units	50383901021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	1450	10000	10000	11500	11500	101	100	75-125	0	20	
Sodium	ug/L	8440	10000	10000	18000	18000	96	96	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812238
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3715688 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/09/24 20:38	

LABORATORY CONTROL SAMPLE: 3715689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	996	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715690 3715691

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	990	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812413
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3716640 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/09/24 08:28	
Arsenic	ug/L	ND	1.0	0.080	10/09/24 08:28	
Barium	ug/L	ND	1.0	0.11	10/09/24 08:28	
Cobalt	ug/L	ND	1.0	0.045	10/09/24 08:28	
Selenium	ug/L	ND	1.0	0.26	10/09/24 08:28	

LABORATORY CONTROL SAMPLE: 3716641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.7	104	80-120	
Arsenic	ug/L	40	37.9	95	80-120	
Barium	ug/L	40	37.5	94	80-120	
Cobalt	ug/L	40	40.2	101	80-120	
Selenium	ug/L	40	38.0	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716642 3716643

Parameter	Units	50383881005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<1.0	40	40	42.5	42.3	106	106	75-125	0	20	
Arsenic	ug/L	1.8	40	40	40.4	40.6	97	97	75-125	1	20	
Barium	ug/L	48.2	40	40	91.9	91.1	109	107	75-125	1	20	
Cobalt	ug/L	<1.0	40	40	38.4	38.4	96	96	75-125	0	20	
Selenium	ug/L	<1.0	40	40	37.7	40.1	94	100	75-125	6	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812329
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3716129 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/04/24 23:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:29	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:29	

LABORATORY CONTROL SAMPLE: 3716130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	90-110	

SAMPLE DUPLICATE: 3716131

Parameter	Units	50383812001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	373	394	5	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	373	394	5	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10.0	ND		20	

SAMPLE DUPLICATE: 3716132

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	239	244	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	239	239	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812613
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3717215 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/08/24 13:30	

LABORATORY CONTROL SAMPLE: 3717216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	265	88	80-120	

SAMPLE DUPLICATE: 3717217

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	561	585	4	10	

SAMPLE DUPLICATE: 3717218

Parameter	Units	50384010003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	620	608	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 813554
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

SAMPLE DUPLICATE: 3721840

Parameter	Units	50383911001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.5	4	2	H3,R1

SAMPLE DUPLICATE: 3721841

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812122
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3715122 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/03/24 22:18	

LABORATORY CONTROL SAMPLE: 3715123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 3715124

Parameter	Units	50383929001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.72	1	1.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715125 3715126

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	101	101	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 812178
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3715366 Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/04/24 15:14	

LABORATORY CONTROL SAMPLE: 3715367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715368 3715369

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.7	10.7	98	98	80-120	1	15	

MATRIX SPIKE SAMPLE: 3715370

Parameter	Units	50384010003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	10	11.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: MW-19D **Lab ID: 50384009001** Collected: 10/03/24 10:48 Received: 10/03/24 13:19 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.0552 ± 0.582 (1.14) C:NA T:93%**	pCi/L	10/21/24 13:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.903 ± 0.401 (0.657) C:84% T:88%**	pCi/L	10/22/24 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.903 ± 0.983 (1.80)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: MW-19I **Lab ID: 50384009002** Collected: 10/03/24 12:25 Received: 10/03/24 13:19 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.0488 ± 0.533 (1.04) C:NA T:98%**	pCi/L	10/21/24 13:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.02 ± 0.433 (0.696) C:84% T:82%**	pCi/L	10/22/24 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.02 ± 0.966 (1.74)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Sample: DUP8 **Lab ID: 50384009003** Collected: 10/03/24 00:00 Received: 10/03/24 13:19 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.514 ± 0.479 (0.740) C:NA T:92%**	pCi/L	10/21/24 13:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.778 ± 0.471 (0.897) C:84% T:84%**	pCi/L	10/22/24 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.29 ± 0.950 (1.64)**	pCi/L	10/23/24 16:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 701600
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3417128
Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.294 ± 0.207 (0.0997) C:NA T:93%	pCi/L	10/21/24 13:22	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

QC Batch: 701601
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384009001, 50384009002, 50384009003

METHOD BLANK: 3417129
Matrix: Water
Associated Lab Samples: 50384009001, 50384009002, 50384009003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.622 ± 0.352 (0.629) C:84% T:83%	pCi/L	10/22/24 11:57	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384009

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384009001	**MW-19D**	EPA 9056	812629		
50384009002	**MW-19I**	EPA 9056	812629		
50384009003	**DUP8**	EPA 9056	812629		
50384009001	**MW-19D**	EPA 3010	812119	EPA 6010	813254
50384009002	**MW-19I**	EPA 3010	812119	EPA 6010	813254
50384009003	**DUP8**	EPA 3010	812119	EPA 6010	813254
50384009001	**MW-19D**	EPA 3010	812238	EPA 6010	812771
50384009002	**MW-19I**	EPA 3010	812238	EPA 6010	812771
50384009003	**DUP8**	EPA 3010	812238	EPA 6010	812771
50384009001	**MW-19D**	EPA 200.2	812413	EPA 6020	812582
50384009002	**MW-19I**	EPA 200.2	812413	EPA 6020	812582
50384009003	**DUP8**	EPA 200.2	812413	EPA 6020	812582
50384009001	**MW-19D**	EPA 903.1	701600		
50384009002	**MW-19I**	EPA 903.1	701600		
50384009003	**DUP8**	EPA 903.1	701600		
50384009001	**MW-19D**	EPA 904.0	701601		
50384009002	**MW-19I**	EPA 904.0	701601		
50384009003	**DUP8**	EPA 904.0	701601		
50384009001	**MW-19D**	Total Radium Calculation	704885		
50384009002	**MW-19I**	Total Radium Calculation	704885		
50384009003	**DUP8**	Total Radium Calculation	704885		
50384009001	**MW-19D**	SM 2320B	812329		
50384009002	**MW-19I**	SM 2320B	812329		
50384009003	**DUP8**	SM 2320B	812329		
50384009001	**MW-19D**	SM 2540C	812613		
50384009002	**MW-19I**	SM 2540C	812613		
50384009003	**DUP8**	SM 2540C	812613		
50384009001	**MW-19D**	SM 4500-H+B	813554		
50384009002	**MW-19I**	SM 4500-H+B	813554		
50384009003	**DUP8**	SM 4500-H+B	813554		
50384009001	**MW-19D**	EPA 353.2	812122		
50384009002	**MW-19I**	EPA 353.2	812122		
50384009003	**DUP8**	EPA 353.2	812122		
50384009001	**MW-19D**	SM 5310C	812178		
50384009002	**MW-19I**	SM 5310C	812178		
50384009003	**DUP8**	SM 5310C	812178		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384009

50384009

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley October 2024	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):	PIR4	Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested: Standard TAT	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Identify Container Preservative Type***

Analysis Requested

Lab Use Only

Proj. Mgr: Will Statz
AcctNum / Client ID:
Table #:
Profile / Template: 10498-62
Prelog / Bottle Ord. ID: EZ 3155242

Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment	Preservation non-conformance identified for sample.
MW-19D	GW	G			10/3/24	1048	8			X	X	X	X	X	X	X	X			001	
MW-19I	GW	G			10/3/24	1225	8			X	X	X	X	X	X	X	X			002	
DUP8	GW	G			10/3/24	0000	8			X	X	X	X	X	X	X	X			003	

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name)
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	C	0.0	see	SCUR	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/3/24 1319	Tabitha Scheller Pace	10/3/24 13.19	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/3/24 16.05 TS

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I

2. Cooler Temperature(s): 4.6/4.6 | ☐1.7/1.7 | 0.7/0.7 |

3. Courier: ☐FED EX ☐UPS ☑CLIENT ☐PACE ☐NOW/JETT ☐OTHER _____

4. Custody Seal on Cooler/Box Present: Yes ☑No

(If yes)Seals Intact: ☐Yes ☐No **(leave blank if no seals were present)**

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. Packing Material: ☐Bubble Wrap ☑Bubble Bags ☐None ☐Other _____

6. Ice Type: ☑Wet ☐Blue ☐None

7. Was the PM notified of out of temp cooler?: ☐Yes ☐No

Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 16:30			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?			✓
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?		✓	
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU	BG1U	MeOH (only) / SBS / DI / R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1														1			2	1	2	1	1									WT	✓	✓		
2														↓			↓	↓	↓	↓	↓									↓	✓	✓		
3														↓			↓	↓	↓	↓	↓									↓	✓	✓		
4																																			
5																																			
6																																			
7																																			
8																																			
9																																			
10																																			
11																																			
12																																			

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Dear Mr. Breting:

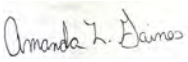
Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384010001	**MW-6S**	Water	10/03/24 10:30	10/03/24 14:00
50384010002	**MW-4D**	Water	10/03/24 11:21	10/03/24 14:00
50384010003	**MW-4I**	Water	10/03/24 12:45	10/03/24 14:00
50384010004	**MW-4D MS**	Water	10/03/24 11:21	10/03/24 14:00
50384010005	**MW-4D MSD**	Water	10/03/24 11:21	10/03/24 14:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384010001	**MW-6S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384010002	**MW-4D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384010003	**MW-4I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384010004	**MW-4D MS**	EPA 903.1	REH1	1	PASI-PA

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	ZPC	1	PASI-PA
50384010005	**MW-4D MSD**	EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384010001	**MW-6S**					
EPA 9056	Chloride	25.0	mg/L	2.5	10/08/24 23:21	
EPA 9056	Fluoride	0.25	mg/L	0.10	10/08/24 23:04	
EPA 9056	Sulfate	145	mg/L	2.5	10/08/24 23:21	
EPA 6010	Boron	6000	ug/L	100	10/08/24 13:39	
EPA 6010	Calcium	147000	ug/L	1000	10/08/24 13:39	
EPA 6010	Iron	403	ug/L	100	10/08/24 13:39	
EPA 6010	Lithium	90.7	ug/L	20.0	10/08/24 13:39	
EPA 6010	Magnesium	32900	ug/L	1000	10/08/24 13:39	
EPA 6010	Manganese	108	ug/L	10.0	10/08/24 13:39	
EPA 6010	Molybdenum	83.6	ug/L	10.0	10/08/24 13:39	
EPA 6010	Potassium	10200	ug/L	1000	10/08/24 13:39	
EPA 6010	Sodium	57600	ug/L	1000	10/08/24 13:39	
EPA 6010	Molybdenum, Dissolved	85.4	ug/L	10.0	10/09/24 21:28	
EPA 6020	Antimony	1.2	ug/L	1.0	10/09/24 03:10	
EPA 6020	Barium	98.2	ug/L	1.0	10/09/24 03:10	
EPA 6020	Selenium	45.2	ug/L	1.0	10/09/24 03:10	
EPA 903.1	Radium-226	0.548 ± 0.484 (0.718) C:NA T:89%	pCi/L		10/21/24 13:59	
EPA 904.0	Radium-228	0.678 ± 0.402 (0.747) C:86% T:87%	pCi/L		10/22/24 11:59	
Total Radium Calculation	Total Radium	1.23 ± 0.886 (1.47)	pCi/L		10/28/24 16:04	
SM 2320B	Alkalinity, Total as CaCO3	444	mg/L	10.0	10/04/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	444	mg/L	10.0	10/04/24 23:29	
SM 2540C	Total Dissolved Solids	654	mg/L	10.0	10/08/24 13:37	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	10/14/24 16:15	H3
EPA 353.2	Nitrogen, Nitrate	1.1	mg/L	0.10	10/03/24 22:44	
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	10/04/24 18:11	
50384010002	**MW-4D**					
EPA 9056	Chloride	209	mg/L	2.5	10/09/24 00:45	
EPA 9056	Fluoride	0.28	mg/L	0.10	10/09/24 00:28	
EPA 9056	Sulfate	52.0	mg/L	2.5	10/09/24 00:45	
EPA 6010	Boron	106	ug/L	100	10/08/24 13:41	
EPA 6010	Calcium	106000	ug/L	1000	10/08/24 13:41	
EPA 6010	Iron	3400	ug/L	100	10/08/24 13:41	
EPA 6010	Magnesium	36300	ug/L	1000	10/08/24 13:41	
EPA 6010	Manganese	274	ug/L	10.0	10/08/24 13:41	
EPA 6010	Potassium	3460	ug/L	1000	10/08/24 13:41	
EPA 6010	Sodium	59900	ug/L	1000	10/08/24 13:41	
EPA 6020	Arsenic	8.8	ug/L	1.0	10/09/24 03:22	
EPA 6020	Barium	89.5	ug/L	1.0	10/09/24 03:22	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384010002	**MW-4D**					
EPA 903.1	Radium-226	0.500 ± 0.507 (0.812) C:NA T:92%	pCi/L		10/21/24 13:59	
EPA 904.0	Radium-228	1.13 ± 0.461 (0.734) C:84% T:85%	pCi/L		10/22/24 11:59	
Total Radium Calculation	Total Radium	1.63 ± 0.968 (1.55)	pCi/L		10/28/24 16:04	
SM 2320B	Alkalinity, Total as CaCO3	239	mg/L	10.0	10/04/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	239	mg/L	10.0	10/04/24 23:29	
SM 2540C	Total Dissolved Solids	561	mg/L	10.0	10/08/24 13:37	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/14/24 16:14	H3
50384010003	**MW-4I**					
EPA 9056	Chloride	201	mg/L	2.5	10/09/24 03:49	
EPA 9056	Fluoride	0.32	mg/L	0.10	10/09/24 03:33	
EPA 9056	Sulfate	80.5	mg/L	2.5	10/09/24 03:49	
EPA 6010	Boron	192	ug/L	100	10/08/24 13:56	
EPA 6010	Calcium	112000	ug/L	1000	10/08/24 13:56	
EPA 6010	Iron	735	ug/L	100	10/08/24 13:56	
EPA 6010	Magnesium	38200	ug/L	1000	10/08/24 13:56	
EPA 6010	Manganese	219	ug/L	10.0	10/08/24 13:56	
EPA 6010	Potassium	4640	ug/L	1000	10/08/24 13:56	
EPA 6010	Sodium	57400	ug/L	1000	10/08/24 13:56	
EPA 6010	Molybdenum, Dissolved	10.7	ug/L	10.0	10/09/24 21:46	
EPA 6020	Arsenic	1.3	ug/L	1.0	10/09/24 03:50	
EPA 6020	Barium	99.7	ug/L	1.0	10/09/24 03:50	
EPA 903.1	Radium-226	0.439 ± 0.481 (0.774) C:NA T:93%	pCi/L		10/21/24 13:59	
EPA 904.0	Radium-228	1.18 ± 0.492 (0.796) C:82% T:80%	pCi/L		10/22/24 11:59	
Total Radium Calculation	Total Radium	1.62 ± 0.973 (1.57)	pCi/L		10/28/24 16:04	
SM 2320B	Alkalinity, Total as CaCO3	241	mg/L	10.0	10/04/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	241	mg/L	10.0	10/04/24 23:29	
SM 2540C	Total Dissolved Solids	620	mg/L	10.0	10/08/24 13:37	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/14/24 16:18	H3
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	10/04/24 18:57	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384010004	**MW-4D MS**					
EPA 903.1	Radium-226	90.18 %REC ± NA (NA) C:NA T:NA	pCi/L		10/21/24 13:59	
EPA 904.0	Radium-228	79.71 %REC ± NA (NA) C:NA T:NA	pCi/L		10/22/24 11:59	
50384010005	**MW-4D MSD**					
EPA 903.1	Radium-226	121.18 %REC 29.34RPD ± NA (NA) C:NA T:NA	pCi/L		10/28/24 13:34	
EPA 904.0	Radium-228	89.29 %REC 11.34RPD ± NA (NA) C:NA T:NA	pCi/L		10/22/24 11:59	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-6S **Lab ID: 50384010001** Collected: 10/03/24 10:30 Received: 10/03/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**25.0**	mg/L	2.5	1.3	10		10/08/24 23:21	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.016	1		10/08/24 23:04	16984-48-8	
Sulfate	**145**	mg/L	2.5	1.9	10		10/08/24 23:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**6000**	ug/L	100	5.6	1	10/06/24 20:36	10/08/24 13:39	7440-42-8	
Calcium	**147000**	ug/L	1000	83.9	1	10/06/24 20:36	10/08/24 13:39	7440-70-2	
Iron	**403**	ug/L	100	41.0	1	10/06/24 20:36	10/08/24 13:39	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:36	10/08/24 13:39	7439-92-1	
Lithium	**90.7**	ug/L	20.0	3.8	1	10/06/24 20:36	10/08/24 13:39	7439-93-2	
Magnesium	**32900**	ug/L	1000	53.7	1	10/06/24 20:36	10/08/24 13:39	7439-95-4	
Manganese	**108**	ug/L	10.0	0.77	1	10/06/24 20:36	10/08/24 13:39	7439-96-5	
Molybdenum	**83.6**	ug/L	10.0	1.4	1	10/06/24 20:36	10/08/24 13:39	7439-98-7	
Potassium	**10200**	ug/L	1000	113	1	10/06/24 20:36	10/08/24 13:39	7440-09-7	
Sodium	**57600**	ug/L	1000	95.0	1	10/06/24 20:36	10/08/24 13:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**85.4**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:28	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	**1.2**	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 03:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 03:10	7440-38-2	
Barium	**98.2**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 03:10	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 03:10	7440-48-4	
Selenium	**45.2**	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 03:10	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**444**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**444**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**654**	mg/L	10.0	10.0	1		10/08/24 13:37		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		10/14/24 16:15		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-6S **Lab ID: 50384010001** Collected: 10/03/24 10:30 Received: 10/03/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.1**	mg/L	0.10	0.013	1		10/03/24 22:44	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.25	1		10/04/24 18:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4D **Lab ID: 50384010002** Collected: 10/03/24 11:21 Received: 10/03/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**209**	mg/L	2.5	1.3	10		10/09/24 00:45	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.016	1		10/09/24 00:28	16984-48-8	
Sulfate	**52.0**	mg/L	2.5	1.9	10		10/09/24 00:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**106**	ug/L	100	5.6	1	10/06/24 20:36	10/08/24 13:41	7440-42-8	
Calcium	**106000**	ug/L	1000	83.9	1	10/06/24 20:36	10/08/24 13:41	7440-70-2	
Iron	**3400**	ug/L	100	41.0	1	10/06/24 20:36	10/08/24 13:41	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:36	10/08/24 13:41	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/06/24 20:36	10/08/24 13:41	7439-93-2	
Magnesium	**36300**	ug/L	1000	53.7	1	10/06/24 20:36	10/08/24 13:41	7439-95-4	
Manganese	**274**	ug/L	10.0	0.77	1	10/06/24 20:36	10/08/24 13:41	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/06/24 20:36	10/08/24 13:41	7439-98-7	
Potassium	**3460**	ug/L	1000	113	1	10/06/24 20:36	10/08/24 13:41	7440-09-7	
Sodium	**59900**	ug/L	1000	95.0	1	10/06/24 20:36	10/08/24 13:41	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:30	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 03:22	7440-36-0	
Arsenic	**8.8**	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 03:22	7440-38-2	
Barium	**89.5**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 03:22	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 03:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 03:22	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**239**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**561**	mg/L	10.0	10.0	1		10/08/24 13:37		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/14/24 16:14		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4D **Lab ID: 50384010002** Collected: 10/03/24 11:21 Received: 10/03/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 22:48	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/04/24 18:22		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4I **Lab ID: 50384010003** Collected: 10/03/24 12:45 Received: 10/03/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**201**	mg/L	2.5	1.3	10		10/09/24 03:49	16887-00-6	
Fluoride	**0.32**	mg/L	0.10	0.016	1		10/09/24 03:33	16984-48-8	
Sulfate	**80.5**	mg/L	2.5	1.9	10		10/09/24 03:49	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**192**	ug/L	100	5.6	1	10/06/24 20:36	10/08/24 13:56	7440-42-8	
Calcium	**112000**	ug/L	1000	83.9	1	10/06/24 20:36	10/08/24 13:56	7440-70-2	
Iron	**735**	ug/L	100	41.0	1	10/06/24 20:36	10/08/24 13:56	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:36	10/08/24 13:56	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/06/24 20:36	10/08/24 13:56	7439-93-2	
Magnesium	**38200**	ug/L	1000	53.7	1	10/06/24 20:36	10/08/24 13:56	7439-95-4	
Manganese	**219**	ug/L	10.0	0.77	1	10/06/24 20:36	10/08/24 13:56	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/06/24 20:36	10/08/24 13:56	7439-98-7	
Potassium	**4640**	ug/L	1000	113	1	10/06/24 20:36	10/08/24 13:56	7440-09-7	
Sodium	**57400**	ug/L	1000	95.0	1	10/06/24 20:36	10/08/24 13:56	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**10.7**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 21:46	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 03:50	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 03:50	7440-38-2	
Barium	**99.7**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 03:50	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 03:50	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 03:50	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**241**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**241**	mg/L	10.0	10.0	1		10/04/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**620**	mg/L	10.0	10.0	1		10/08/24 13:37		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/14/24 16:18		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4I **Lab ID: 50384010003** Collected: 10/03/24 12:45 Received: 10/03/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/03/24 22:56	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.25	1		10/04/24 18:57		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812629
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3717260 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/08/24 10:05	
Fluoride	mg/L	ND	0.10	0.016	10/08/24 10:05	
Sulfate	mg/L	ND	0.25	0.19	10/08/24 10:05	

LABORATORY CONTROL SAMPLE: 3717261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.95	95	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717262 3717263

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	209	25	25	227	226	73	70	80-120	0	15	M0
Fluoride	mg/L	0.28	1	1	1.2	1.2	96	96	80-120	1	15	
Sulfate	mg/L	52.0	50	50	100	99.0	97	94	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717264 3717265

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.6	25	25	56.1	56.3	94	95	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.0	1.0	96	96	80-120	0	15	
Sulfate	mg/L	14.1	5	5	19.1	19.1	100	100	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812378
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3716430 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/08/24 13:26	
Calcium	ug/L	ND	1000	83.9	10/08/24 13:26	
Iron	ug/L	ND	100	41.0	10/08/24 13:26	
Lead	ug/L	ND	10.0	2.0	10/08/24 13:26	
Lithium	ug/L	ND	20.0	3.8	10/08/24 13:26	
Magnesium	ug/L	ND	1000	53.7	10/08/24 13:26	
Manganese	ug/L	ND	10.0	0.77	10/08/24 13:26	
Molybdenum	ug/L	ND	10.0	1.4	10/08/24 13:26	
Potassium	ug/L	ND	1000	113	10/08/24 13:26	
Sodium	ug/L	ND	1000	95.0	10/08/24 13:26	

LABORATORY CONTROL SAMPLE: 3716431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	909	91	80-120	
Calcium	ug/L	10000	9230	92	80-120	
Iron	ug/L	10000	9160	92	80-120	
Lead	ug/L	1000	874	87	80-120	
Lithium	ug/L	1000	908	91	80-120	
Magnesium	ug/L	10000	9280	93	80-120	
Manganese	ug/L	1000	916	92	80-120	
Molybdenum	ug/L	1000	912	91	80-120	
Potassium	ug/L	10000	9020	90	80-120	
Sodium	ug/L	10000	8830	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716432 3716433

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	106	1000	1000	1050	1050	94	94	75-125	1	20	
Calcium	ug/L	106000	10000	10000	116000	114000	98	82	75-125	1	20	
Iron	ug/L	3400	10000	10000	12700	12500	93	91	75-125	1	20	
Lead	ug/L	ND	1000	1000	869	865	87	86	75-125	0	20	
Lithium	ug/L	ND	1000	1000	932	922	92	91	75-125	1	20	
Magnesium	ug/L	36300	10000	10000	45900	45300	96	90	75-125	1	20	
Manganese	ug/L	274	1000	1000	1190	1180	92	91	75-125	0	20	
Molybdenum	ug/L	ND	1000	1000	942	942	93	93	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716432 3716433

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	3460	10000	10000	12700	12500	92	91	75-125	1	20	
Sodium	ug/L	59900	10000	10000	69600	68300	98	84	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812238
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3715688 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/09/24 20:38	

LABORATORY CONTROL SAMPLE: 3715689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	996	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715690 3715691

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	990	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812483
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3716818 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/08/24 23:38	
Arsenic	ug/L	ND	1.0	0.080	10/08/24 23:38	
Barium	ug/L	ND	1.0	0.11	10/08/24 23:38	
Cobalt	ug/L	ND	1.0	0.045	10/08/24 23:38	
Selenium	ug/L	ND	1.0	0.26	10/08/24 23:38	

LABORATORY CONTROL SAMPLE: 3716819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.4	106	80-120	
Arsenic	ug/L	40	40.0	100	80-120	
Barium	ug/L	40	38.3	96	80-120	
Cobalt	ug/L	40	40.1	100	80-120	
Selenium	ug/L	40	39.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716820 3716821

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.5	43.4	109	108	75-125	0	20	
Arsenic	ug/L	8.8	40	40	49.5	48.9	102	100	75-125	1	20	
Barium	ug/L	89.5	40	40	128	129	96	99	75-125	1	20	
Cobalt	ug/L	ND	40	40	38.4	37.3	95	92	75-125	3	20	
Selenium	ug/L	ND	40	40	39.3	38.1	98	95	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716822 3716823

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.4	43.3	108	108	75-125	0	20	
Arsenic	ug/L	ND	40	40	41.0	40.5	102	101	75-125	1	20	
Barium	ug/L	45.8	40	40	87.0	87.4	103	104	75-125	0	20	
Cobalt	ug/L	ND	40	40	37.7	38.2	94	95	75-125	1	20	
Selenium	ug/L	ND	40	40	40.0	39.6	98	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812329 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3716129 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/04/24 23:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:29	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:29	

LABORATORY CONTROL SAMPLE: 3716130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	90-110	

SAMPLE DUPLICATE: 3716131

Parameter	Units	50383812001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	373	394	5	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	373	394	5	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10.0	ND		20	

SAMPLE DUPLICATE: 3716132

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	239	244	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	239	239	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812613 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3717215 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/08/24 13:30	

LABORATORY CONTROL SAMPLE: 3717216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	265	88	80-120	

SAMPLE DUPLICATE: 3717217

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	561	585	4	10	

SAMPLE DUPLICATE: 3717218

Parameter	Units	50384010003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	620	608	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 813554
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

SAMPLE DUPLICATE: 3721840

Parameter	Units	50383911001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.5	4	2	H3,R1

SAMPLE DUPLICATE: 3721841

Parameter	Units	50384010002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812122
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3715122 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/03/24 22:18	

LABORATORY CONTROL SAMPLE: 3715123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 3715124

Parameter	Units	50383929001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.72	1	1.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715125 3715126

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	101	101	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 812178
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384010001, 50384010002, 50384010003

METHOD BLANK: 3715366 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/04/24 15:14	

LABORATORY CONTROL SAMPLE: 3715367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715368 3715369

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.7	10.7	98	98	80-120	1	15	

MATRIX SPIKE SAMPLE: 3715370

Parameter	Units	50384010003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	10	11.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-6S **Lab ID: 50384010001** Collected: 10/03/24 10:30 Received: 10/03/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.548 ± 0.484 (0.718) C:NA T:89%**	pCi/L	10/21/24 13:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.678 ± 0.402 (0.747) C:86% T:87%**	pCi/L	10/22/24 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.23 ± 0.886 (1.47)**	pCi/L	10/28/24 16:04	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4D **Lab ID: 50384010002** Collected: 10/03/24 11:21 Received: 10/03/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.500 ± 0.507 (0.812) C:NA T:92%**	pCi/L	10/21/24 13:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.13 ± 0.461 (0.734) C:84% T:85%**	pCi/L	10/22/24 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.63 ± 0.968 (1.55)**	pCi/L	10/28/24 16:04	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4I **Lab ID: 50384010003** Collected: 10/03/24 12:45 Received: 10/03/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.439 ± 0.481 (0.774) C:NA T:93%**	pCi/L	10/21/24 13:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.18 ± 0.492 (0.796) C:82% T:80%**	pCi/L	10/22/24 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.62 ± 0.973 (1.57)**	pCi/L	10/28/24 16:04	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4D MS **Lab ID: 50384010004** Collected: 10/03/24 11:21 Received: 10/03/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**90.18 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/21/24 13:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**79.71 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/22/24 11:59	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Sample: MW-4D MSD **Lab ID: 50384010005** Collected: 10/03/24 11:21 Received: 10/03/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**121.18 %REC 29.34RPD ± NA (NA) C:NA T:NA**	pCi/L	10/28/24 13:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**89.29 %REC 11.34RPD ± NA (NA) C:NA T:NA**	pCi/L	10/22/24 11:59	15262-20-1	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 701602
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384010001, 50384010002, 50384010003, 50384010004, 50384010005

METHOD BLANK: 3417130
Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003, 50384010004, 50384010005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.243 ± 0.253 (0.376) C:NA T:91%	pCi/L	10/21/24 13:59	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

QC Batch: 701603 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384010001, 50384010002, 50384010003, 50384010004, 50384010005

METHOD BLANK: 3417131 Matrix: Water
Associated Lab Samples: 50384010001, 50384010002, 50384010003, 50384010004, 50384010005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.553 ± 0.364 (0.691) C:85% T:85%	pCi/L	10/22/24 11:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384010

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384010001	**MW-6S**	EPA 9056	812629		
50384010002	**MW-4D**	EPA 9056	812629		
50384010003	**MW-4I**	EPA 9056	812629		
50384010001	**MW-6S**	EPA 3010	812378	EPA 6010	812681
50384010002	**MW-4D**	EPA 3010	812378	EPA 6010	812681
50384010003	**MW-4I**	EPA 3010	812378	EPA 6010	812681
50384010001	**MW-6S**	EPA 3010	812238	EPA 6010	812771
50384010002	**MW-4D**	EPA 3010	812238	EPA 6010	812771
50384010003	**MW-4I**	EPA 3010	812238	EPA 6010	812771
50384010001	**MW-6S**	EPA 200.2	812483	EPA 6020	812784
50384010002	**MW-4D**	EPA 200.2	812483	EPA 6020	812784
50384010003	**MW-4I**	EPA 200.2	812483	EPA 6020	812784
50384010001	**MW-6S**	EPA 903.1	701602		
50384010002	**MW-4D**	EPA 903.1	701602		
50384010003	**MW-4I**	EPA 903.1	701602		
50384010004	**MW-4D MS**	EPA 903.1	701602		
50384010005	**MW-4D MSD**	EPA 903.1	701602		
50384010001	**MW-6S**	EPA 904.0	701603		
50384010002	**MW-4D**	EPA 904.0	701603		
50384010003	**MW-4I**	EPA 904.0	701603		
50384010004	**MW-4D MS**	EPA 904.0	701603		
50384010005	**MW-4D MSD**	EPA 904.0	701603		
50384010001	**MW-6S**	Total Radium Calculation	705774		
50384010002	**MW-4D**	Total Radium Calculation	705774		
50384010003	**MW-4I**	Total Radium Calculation	705774		
50384010001	**MW-6S**	SM 2320B	812329		
50384010002	**MW-4D**	SM 2320B	812329		
50384010003	**MW-4I**	SM 2320B	812329		
50384010001	**MW-6S**	SM 2540C	812613		
50384010002	**MW-4D**	SM 2540C	812613		
50384010003	**MW-4I**	SM 2540C	812613		
50384010001	**MW-6S**	SM 4500-H+B	813554		
50384010002	**MW-4D**	SM 4500-H+B	813554		
50384010003	**MW-4I**	SM 4500-H+B	813554		
50384010001	**MW-6S**	EPA 353.2	812122		
50384010002	**MW-4D**	EPA 353.2	812122		
50384010003	**MW-4I**	EPA 353.2	812122		
50384010001	**MW-6S**	SM 5310C	812178		
50384010002	**MW-4D**	SM 5310C	812178		
50384010003	**MW-4I**	SM 5310C	812178		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384010

50384010

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No		
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:	
	Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:	

Specify Container Size **

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only
- Proj. Mgr: **Will Statz**
- AcctNum / Client ID:
- Table #:
- Profile / Template: **10498-62**
- Prelog / Bottle Ord. ID: **EZ 3155242**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment	Preservation non-conformance identified for sample.
MW-6S	GW	G	10/3/24	1030						X	X	X	X	X	X	X	X			001	
MW-4D	GW	G	10/3/24	1121						↓	↓	↓	↓	↓	↓	↓	↓			002	
MW 4I	GW	G	10/3/24	1245																003	
MS 1	GW	G	10/3/24	1121																004	
MSD 1	GW	G	10/3/24	1121																005	

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Mohammed Bodamit
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	C	0.0	see SCUR		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/3/24 1400	Edith Schilder Pace	10/3/24 14.00	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

F-IN-Q-290-rev.27, 13Jun2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/3/24 16:05 TS

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I
2. **Cooler Temperature(s):** 4.6/4.6 | 1.7/1.7 | 0.7/0.7 |

3. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
4. **Custody Seal on Cooler/Box Present:** Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
   (Initial/Corrected) **RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)**

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **Was the PM notified of out of temp cooler?:** ☐ Yes ☐ No
   Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: **HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 17:00			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?			✓
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?		✓	
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER								
			MeOH (only)																													
			SBS																													
			DI																													
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													1			2	1	2	1	1									Wt	✓	✓		
2																														✓	✓		
3																														✓	✓		
4																														✓	✓		
5																														✓	✓		
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Dear Mr. Breting:

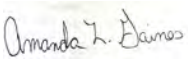
Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384143001	**MW-13D**	Water	10/04/24 10:30	10/04/24 14:00
50384143002	**MW-13I**	Water	10/04/24 10:00	10/04/24 14:00
50384143003	**MW-13S**	Water	10/04/24 10:15	10/04/24 14:00
50384143004	**MW-13S MS**	Water	10/04/24 10:15	10/04/24 14:00
50384143005	**MW-13S MSD**	Water	10/04/24 10:15	10/04/24 14:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384143001	**MW-13D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK, NWB	10	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384143002	**MW-13I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK, NWB	10	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384143003	**MW-13S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK, NWB	10	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384143004	**MW-13S MS**	EPA 903.1	REH1	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	ZPC	1	PASI-PA
50384143005	**MW-13S MSD**	EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384143001	**MW-13D**					
EPA 9056	Chloride	21.2	mg/L	0.25	10/09/24 04:06	
EPA 9056	Sulfate	29.6	mg/L	0.25	10/09/24 04:06	
EPA 6010	Calcium	63900	ug/L	1000	10/09/24 11:54	
EPA 6010	Magnesium	18800	ug/L	1000	10/09/24 11:54	
EPA 6010	Manganese	18.6	ug/L	10.0	10/09/24 11:54	
EPA 6010	Potassium	1640	ug/L	1000	10/09/24 11:54	
EPA 6010	Sodium	20400	ug/L	1000	10/09/24 11:54	
EPA 6020	Barium	48.7	ug/L	1.0	10/09/24 03:54	
EPA 903.1	Radium-226	0.0639 ± 0.674 (1.28) C:NA T:93%	pCi/L		10/22/24 13:53	
EPA 904.0	Radium-228	0.219 ± 0.326 (0.704) C:82% T:94%	pCi/L		10/25/24 15:45	
Total Radium Calculation	Total Radium	0.283 ± 1.000 (1.98)	pCi/L		10/28/24 13:15	
SM 2320B	Alkalinity, Total as CaCO3	234	mg/L	10.0	10/04/24 23:47	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	234	mg/L	10.0	10/04/24 23:47	
SM 2540C	Total Dissolved Solids	300	mg/L	10.0	10/09/24 09:29	
SM 4500-H+B	pH at 25 Degrees C	7.9	Std. Units	0.10	10/14/24 16:36	H3
EPA 353.2	Nitrogen, Nitrate	0.65	mg/L	0.10	10/05/24 02:11	
50384143002	**MW-13I**					
EPA 9056	Chloride	25.0	mg/L	0.25	10/09/24 04:56	
EPA 9056	Sulfate	23.7	mg/L	0.25	10/09/24 04:56	
EPA 6010	Calcium	67800	ug/L	1000	10/09/24 11:56	
EPA 6010	Magnesium	18500	ug/L	1000	10/09/24 11:56	
EPA 6010	Potassium	2020	ug/L	1000	10/09/24 11:56	
EPA 6010	Sodium	22300	ug/L	1000	10/09/24 11:56	
EPA 6020	Barium	29.0	ug/L	1.0	10/09/24 03:58	
EPA 903.1	Radium-226	0.0671 ± 0.800 (1.51) C:NA T:92%	pCi/L		10/22/24 13:53	
EPA 904.0	Radium-228	0.325 ± 0.386 (0.815) C:82% T:87%	pCi/L		10/25/24 15:45	
Total Radium Calculation	Total Radium	0.392 ± 1.19 (2.33)	pCi/L		10/28/24 13:15	
SM 2320B	Alkalinity, Total as CaCO3	241	mg/L	10.0	10/04/24 23:47	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	241	mg/L	10.0	10/04/24 23:47	
SM 2540C	Total Dissolved Solids	316	mg/L	10.0	10/09/24 09:30	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/15/24 10:18	H3
EPA 353.2	Nitrogen, Nitrate	1.9	mg/L	0.10	10/05/24 01:37	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384143003	**MW-13S**					
EPA 9056	Chloride	32.6	mg/L	2.5	10/09/24 05:47	
EPA 9056	Sulfate	14.1	mg/L	0.25	10/09/24 05:30	
EPA 6010	Calcium	101000	ug/L	1000	10/09/24 11:58	
EPA 6010	Magnesium	25900	ug/L	1000	10/09/24 11:58	
EPA 6010	Potassium	3360	ug/L	1000	10/09/24 11:58	
EPA 6010	Sodium	26900	ug/L	1000	10/09/24 11:58	
EPA 6020	Barium	45.8	ug/L	1.0	10/09/24 04:18	
EPA 903.1	Radium-226	-0.207 ± 0.480 (0.978) C:NA T:85%	pCi/L		10/22/24 13:53	
EPA 904.0	Radium-228	0.307 ± 0.388 (0.824) C:78% T:90%	pCi/L		10/25/24 15:45	
Total Radium Calculation	Total Radium	0.307 ± 0.868 (1.80)	pCi/L		10/28/24 13:15	
SM 2320B	Alkalinity, Total as CaCO3	333	mg/L	10.0	10/04/24 23:47	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	333	mg/L	10.0	10/04/24 23:47	
SM 2540C	Total Dissolved Solids	447	mg/L	10.0	10/09/24 09:30	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/15/24 10:19	H3
EPA 353.2	Nitrogen, Nitrate	9.1	mg/L	0.50	10/05/24 02:05	
50384143004	**MW-13S MS**					
EPA 903.1	Radium-226	96.67 %REC ± NA (NA) C:NA T:NA	pCi/L		10/22/24 13:53	
EPA 904.0	Radium-228	85.84 %REC ± NA (NA) C:NA T:NA	pCi/L		10/25/24 15:45	
50384143005	**MW-13S MSD**					
EPA 903.1	Radium-226	124.27 %REC 24.99RPD ± NA (NA) C:NA T:NA	pCi/L		10/22/24 13:53	
EPA 904.0	Radium-228	85.85 %REC 0.01RPD ± NA (NA) C:NA T:NA	pCi/L		10/25/24 15:45	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13D **Lab ID: 50384143001** Collected: 10/04/24 10:30 Received: 10/04/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**21.2**	mg/L	0.25	0.13	1		10/09/24 04:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/09/24 04:06	16984-48-8	
Sulfate	**29.6**	mg/L	0.25	0.19	1		10/09/24 04:06	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/08/24 07:48	10/09/24 11:54	7440-42-8	
Calcium	**63900**	ug/L	1000	83.9	1	10/08/24 07:48	10/09/24 11:54	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/08/24 07:48	10/09/24 11:54	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/08/24 07:48	10/10/24 09:31	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/08/24 07:48	10/09/24 11:54	7439-93-2	
Magnesium	**18800**	ug/L	1000	53.7	1	10/08/24 07:48	10/09/24 11:54	7439-95-4	
Manganese	**18.6**	ug/L	10.0	0.77	1	10/08/24 07:48	10/09/24 11:54	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/08/24 07:48	10/09/24 11:54	7439-98-7	
Potassium	**1640**	ug/L	1000	113	1	10/08/24 07:48	10/09/24 11:54	7440-09-7	
Sodium	**20400**	ug/L	1000	95.0	1	10/08/24 07:48	10/09/24 11:54	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/09/24 20:43	10/10/24 15:36	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 03:54	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 03:54	7440-38-2	
Barium	**48.7**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 03:54	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 03:54	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 03:54	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**234**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Bicarbonate (CaCO3)	**234**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**300**	mg/L	10.0	10.0	1		10/09/24 09:29		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.10	1		10/14/24 16:36		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13D **Lab ID: 50384143001** Collected: 10/04/24 10:30 Received: 10/04/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.65**	mg/L	0.10	0.013	1		10/05/24 02:11	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/11/24 04:22		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13I **Lab ID: 50384143002** Collected: 10/04/24 10:00 Received: 10/04/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**25.0**	mg/L	0.25	0.13	1		10/09/24 04:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/09/24 04:56	16984-48-8	
Sulfate	**23.7**	mg/L	0.25	0.19	1		10/09/24 04:56	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/08/24 07:48	10/09/24 11:56	7440-42-8	
Calcium	**67800**	ug/L	1000	83.9	1	10/08/24 07:48	10/09/24 11:56	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/08/24 07:48	10/09/24 11:56	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/08/24 07:48	10/10/24 09:34	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/08/24 07:48	10/09/24 11:56	7439-93-2	
Magnesium	**18500**	ug/L	1000	53.7	1	10/08/24 07:48	10/09/24 11:56	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/08/24 07:48	10/09/24 11:56	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/08/24 07:48	10/09/24 11:56	7439-98-7	
Potassium	**2020**	ug/L	1000	113	1	10/08/24 07:48	10/09/24 11:56	7440-09-7	
Sodium	**22300**	ug/L	1000	95.0	1	10/08/24 07:48	10/09/24 11:56	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/09/24 20:43	10/10/24 15:38	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 03:58	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 03:58	7440-38-2	
Barium	**29.0**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 03:58	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 03:58	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 03:58	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**241**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Bicarbonate (CaCO3)	**241**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**316**	mg/L	10.0	10.0	1		10/09/24 09:30		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/15/24 10:18		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13I **Lab ID: 50384143002** Collected: 10/04/24 10:00 Received: 10/04/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.9**	mg/L	0.10	0.013	1		10/05/24 01:37	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 17:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13S **Lab ID: 50384143003** Collected: 10/04/24 10:15 Received: 10/04/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**32.6**	mg/L	2.5	1.3	10		10/09/24 05:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/09/24 05:30	16984-48-8	
Sulfate	**14.1**	mg/L	0.25	0.19	1		10/09/24 05:30	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/08/24 07:48	10/09/24 11:58	7440-42-8	
Calcium	**101000**	ug/L	1000	83.9	1	10/08/24 07:48	10/09/24 11:58	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/08/24 07:48	10/09/24 11:58	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/08/24 07:48	10/10/24 09:36	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/08/24 07:48	10/09/24 11:58	7439-93-2	
Magnesium	**25900**	ug/L	1000	53.7	1	10/08/24 07:48	10/09/24 11:58	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/08/24 07:48	10/09/24 11:58	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/08/24 07:48	10/09/24 11:58	7439-98-7	
Potassium	**3360**	ug/L	1000	113	1	10/08/24 07:48	10/09/24 11:58	7440-09-7	
Sodium	**26900**	ug/L	1000	95.0	1	10/08/24 07:48	10/09/24 11:58	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/09/24 20:43	10/10/24 15:44	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 04:18	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 04:18	7440-38-2	
Barium	**45.8**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 04:18	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 04:18	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 04:18	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**333**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Bicarbonate (CaCO3)	**333**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**447**	mg/L	10.0	10.0	1		10/09/24 09:30		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/15/24 10:19		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13S **Lab ID: 50384143003** Collected: 10/04/24 10:15 Received: 10/04/24 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**9.1**	mg/L	0.50	0.065	5		10/05/24 02:05	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 18:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812629
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001, 50384143002, 50384143003

METHOD BLANK: 3717260 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/08/24 10:05	
Fluoride	mg/L	ND	0.10	0.016	10/08/24 10:05	
Sulfate	mg/L	ND	0.25	0.19	10/08/24 10:05	

LABORATORY CONTROL SAMPLE: 3717261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.95	95	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717262 3717263

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	209	25	25	227	226	73	70	80-120	0	15	M0
Fluoride	mg/L	0.28	1	1	1.2	1.2	96	96	80-120	1	15	
Sulfate	mg/L	52.0	50	50	100	99.0	97	94	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717264 3717265

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.6	25	25	56.1	56.3	94	95	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.0	1.0	96	96	80-120	0	15	
Sulfate	mg/L	14.1	5	5	19.1	19.1	100	100	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812404
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001, 50384143002, 50384143003

METHOD BLANK: 3716601 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/09/24 11:16	
Calcium	ug/L	ND	1000	83.9	10/09/24 11:16	
Iron	ug/L	ND	100	41.0	10/09/24 11:16	
Lead	ug/L	ND	10.0	2.0	10/09/24 11:16	
Lithium	ug/L	ND	20.0	3.8	10/09/24 11:16	
Magnesium	ug/L	ND	1000	53.7	10/09/24 11:16	
Manganese	ug/L	ND	10.0	0.77	10/09/24 11:16	
Molybdenum	ug/L	ND	10.0	1.4	10/09/24 11:16	
Potassium	ug/L	ND	1000	113	10/09/24 11:16	
Sodium	ug/L	ND	1000	95.0	10/09/24 11:16	

LABORATORY CONTROL SAMPLE: 3716602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	933	93	80-120	
Calcium	ug/L	10000	9590	96	80-120	
Iron	ug/L	10000	9590	96	80-120	
Lead	ug/L	1000	889	89	80-120	
Lithium	ug/L	1000	950	95	80-120	
Magnesium	ug/L	10000	9470	95	80-120	
Manganese	ug/L	1000	981	98	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9940	99	80-120	
Sodium	ug/L	10000	9480	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716603 3716604

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1030	1000	97	95	75-125	3	20	
Calcium	ug/L	101000	10000	10000	110000	106000	85	47	75-125	4	20	P6
Iron	ug/L	ND	10000	10000	9540	9400	95	94	75-125	1	20	
Lead	ug/L	ND	1000	1000	928	910	93	91	75-125	2	20	
Lithium	ug/L	ND	1000	1000	936	911	93	91	75-125	3	20	
Magnesium	ug/L	25900	10000	10000	34900	33800	90	79	75-125	3	20	
Manganese	ug/L	ND	1000	1000	979	957	98	96	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1000	993	100	99	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716603 3716604

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	3360	10000	10000	12900	12500	95	92	75-125	3	20	
Sodium	ug/L	26900	10000	10000	35500	34600	86	77	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812627
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001, 50384143002, 50384143003

METHOD BLANK: 3717247 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/10/24 15:19	

LABORATORY CONTROL SAMPLE: 3717248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	990	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717249 3717250

Parameter	Units	50381587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1050	1050	105	105	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717251 3717252

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1060	1060	106	106	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717253 3717254

Parameter	Units	50384177001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1040	1060	103	105	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812483
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001, 50384143002, 50384143003

METHOD BLANK: 3716818 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/08/24 23:38	
Arsenic	ug/L	ND	1.0	0.080	10/08/24 23:38	
Barium	ug/L	ND	1.0	0.11	10/08/24 23:38	
Cobalt	ug/L	ND	1.0	0.045	10/08/24 23:38	
Selenium	ug/L	ND	1.0	0.26	10/08/24 23:38	

LABORATORY CONTROL SAMPLE: 3716819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.4	106	80-120	
Arsenic	ug/L	40	40.0	100	80-120	
Barium	ug/L	40	38.3	96	80-120	
Cobalt	ug/L	40	40.1	100	80-120	
Selenium	ug/L	40	39.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716820 3716821

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.5	43.4	109	108	75-125	0	20	
Arsenic	ug/L	8.8	40	40	49.5	48.9	102	100	75-125	1	20	
Barium	ug/L	89.5	40	40	128	129	96	99	75-125	1	20	
Cobalt	ug/L	ND	40	40	38.4	37.3	95	92	75-125	3	20	
Selenium	ug/L	ND	40	40	39.3	38.1	98	95	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716822 3716823

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.4	43.3	108	108	75-125	0	20	
Arsenic	ug/L	ND	40	40	41.0	40.5	102	101	75-125	1	20	
Barium	ug/L	45.8	40	40	87.0	87.4	103	104	75-125	0	20	
Cobalt	ug/L	ND	40	40	37.7	38.2	94	95	75-125	1	20	
Selenium	ug/L	ND	40	40	40.0	39.6	98	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812339
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001, 50384143002, 50384143003

METHOD BLANK: 3716263 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/04/24 23:47	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:47	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:47	

LABORATORY CONTROL SAMPLE: 3716264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.0	98	90-110	

SAMPLE DUPLICATE: 3716265

Parameter	Units	50383907001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	242	246	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	242	246	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3716266

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	333	341	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	333	341	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812833 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001, 50384143002, 50384143003

METHOD BLANK: 3718121 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/09/24 09:22	

LABORATORY CONTROL SAMPLE: 3718122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	268	89	80-120	

SAMPLE DUPLICATE: 3718123

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	447	448	0	10	

SAMPLE DUPLICATE: 3718124

Parameter	Units	50384145001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	820	830	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 813557
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50384143001

SAMPLE DUPLICATE: 3721847

Parameter	Units	50384077003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	2	H3

SAMPLE DUPLICATE: 3721848

Parameter	Units	50384667002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.0	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 813744
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143002, 50384143003

SAMPLE DUPLICATE: 3722440

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3722441

Parameter	Units	50384222001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812345
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001, 50384143002, 50384143003

METHOD BLANK: 3716325 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/05/24 01:15	

LABORATORY CONTROL SAMPLE: 3716326

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716327 3716328

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	9.1	5	5	14.1	14.1	99	99	90-110	0	20	

MATRIX SPIKE SAMPLE: 3716329

Parameter	Units	50384145003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	9.7	5	14.6	99	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812706
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143002, 50384143003

METHOD BLANK: 3717527 Matrix: Water
Associated Lab Samples: 50384143002, 50384143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/10/24 16:55	

LABORATORY CONTROL SAMPLE: 3717528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717529 3717530

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.6	101	104	80-120	3	15	

MATRIX SPIKE SAMPLE: 3717531

Parameter	Units	50384145001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	10.5	101	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 812714
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384143001

METHOD BLANK: 3717550 Matrix: Water
Associated Lab Samples: 50384143001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/11/24 02:38	

LABORATORY CONTROL SAMPLE: 3717551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717552 3717553

Parameter	Units	50384143001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.3	101	100	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13D **Lab ID: 50384143001** Collected: 10/04/24 10:30 Received: 10/04/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0639 ± 0.674 (1.28) C:NA T:93%**	pCi/L	10/22/24 13:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.219 ± 0.326 (0.704) C:82% T:94%**	pCi/L	10/25/24 15:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.283 ± 1.000 (1.98)**	pCi/L	10/28/24 13:15	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13I **Lab ID: 50384143002** Collected: 10/04/24 10:00 Received: 10/04/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0671 ± 0.800 (1.51) C:NA T:92%**	pCi/L	10/22/24 13:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.325 ± 0.386 (0.815) C:82% T:87%**	pCi/L	10/25/24 15:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.392 ± 1.19 (2.33)**	pCi/L	10/28/24 13:15	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13S **Lab ID: 50384143003** Collected: 10/04/24 10:15 Received: 10/04/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.207 ± 0.480 (0.978) C:NA T:85%**	pCi/L	10/22/24 13:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.307 ± 0.388 (0.824) C:78% T:90%**	pCi/L	10/25/24 15:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.307 ± 0.868 (1.80)**	pCi/L	10/28/24 13:15	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13S MS **Lab ID: 50384143004** Collected: 10/04/24 10:15 Received: 10/04/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**96.67 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/22/24 13:53	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**85.84 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/25/24 15:45	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Sample: MW-13S MSD **Lab ID: 50384143005** Collected: 10/04/24 10:15 Received: 10/04/24 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**124.27 %REC 24.99RPD ± NA (NA) C:NA T:NA**	pCi/L	10/22/24 13:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**85.85 %REC 0.01RPD ± NA (NA) C:NA T:NA**	pCi/L	10/25/24 15:45	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 701623 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384143001, 50384143002, 50384143003, 50384143004, 50384143005

METHOD BLANK: 3417172 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003, 50384143004, 50384143005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0892 ± 0.214 (0.414) C:NA T:102%	pCi/L	10/22/24 13:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

QC Batch: 701626 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384143001, 50384143002, 50384143003, 50384143004, 50384143005

METHOD BLANK: 3417176 Matrix: Water
Associated Lab Samples: 50384143001, 50384143002, 50384143003, 50384143004, 50384143005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.136 ± 0.315 (0.700) C:85% T:88%	pCi/L	10/25/24 15:45	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384143

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384143001	**MW-13D**	EPA 9056	812629		
50384143002	**MW-13I**	EPA 9056	812629		
50384143003	**MW-13S**	EPA 9056	812629		
50384143001	**MW-13D**	EPA 3010	812404	EPA 6010	812873
50384143002	**MW-13I**	EPA 3010	812404	EPA 6010	812873
50384143003	**MW-13S**	EPA 3010	812404	EPA 6010	812873
50384143001	**MW-13D**	EPA 3010	812627	EPA 6010	813159
50384143002	**MW-13I**	EPA 3010	812627	EPA 6010	813159
50384143003	**MW-13S**	EPA 3010	812627	EPA 6010	813159
50384143001	**MW-13D**	EPA 200.2	812483	EPA 6020	812784
50384143002	**MW-13I**	EPA 200.2	812483	EPA 6020	812784
50384143003	**MW-13S**	EPA 200.2	812483	EPA 6020	812784
50384143001	**MW-13D**	EPA 903.1	701623		
50384143002	**MW-13I**	EPA 903.1	701623		
50384143003	**MW-13S**	EPA 903.1	701623		
50384143004	**MW-13S MS**	EPA 903.1	701623		
50384143005	**MW-13S MSD**	EPA 903.1	701623		
50384143001	**MW-13D**	EPA 904.0	701626		
50384143002	**MW-13I**	EPA 904.0	701626		
50384143003	**MW-13S**	EPA 904.0	701626		
50384143004	**MW-13S MS**	EPA 904.0	701626		
50384143005	**MW-13S MSD**	EPA 904.0	701626		
50384143001	**MW-13D**	Total Radium Calculation	705740		
50384143002	**MW-13I**	Total Radium Calculation	705740		
50384143003	**MW-13S**	Total Radium Calculation	705740		
50384143001	**MW-13D**	SM 2320B	812339		
50384143002	**MW-13I**	SM 2320B	812339		
50384143003	**MW-13S**	SM 2320B	812339		
50384143001	**MW-13D**	SM 2540C	812833		
50384143002	**MW-13I**	SM 2540C	812833		
50384143003	**MW-13S**	SM 2540C	812833		
50384143001	**MW-13D**	SM 4500-H+B	813557		
50384143002	**MW-13I**	SM 4500-H+B	813744		
50384143003	**MW-13S**	SM 4500-H+B	813744		
50384143001	**MW-13D**	EPA 353.2	812345		
50384143002	**MW-13I**	EPA 353.2	812345		
50384143003	**MW-13S**	EPA 353.2	812345		
50384143001	**MW-13D**	SM 5310C	812714		
50384143002	**MW-13I**	SM 5310C	812706		
50384143003	**MW-13S**	SM 5310C	812706		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50384143

50384143

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-13D	GW	G	10/4/24	1030						X	X	X	X	X	X			001
MW-13I	GW	G		1000														002
MW-13S	GW	G		1015														003
MS2	GW	G		1015														004
MSD2	GW	G		1015														005
										X	X	X	X					
										X	X	X	X					

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Mohammed Bazlamit
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	6	0.0	see cur		

Relinquished by/Company: (Signature)	Date/Time: 10/4/24 1400	Received by/Company: (Signature) Pace	Date/Time: 10/4 1400	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 15:20 1014 JS

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I
2. **Cooler Temperature(s):** 4.5/4.5 | 5.2/5.2 | 3.2/3.2 | (Initial/Corrected)
   RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)
3. **Courier:** Fed Ex UPS (Client) Pace Now/Jett Other
   Circle One
4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)**Seals Intact:** ☐ Yes ☐ No (leave blank if no seals were present)
5. **Packing Material:** ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **Was the PM notified of out of temp cooler?** ☐ Yes ☑ No
   Cooler temp should be above freezing to 6°C
   If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate, Rad	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 16:35	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		✓

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: **HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS								PLASTIC									OTHER						Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
			MeOH (only)																												Red	Yellow	Green	Black
			SBS																															
			DI																															
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1																2	1	2	1	1									WT				
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

ontainer Codes

Glass

G9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
G9P	40mL TSP amber vial	BG1U	1L unpreserved glass
G9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
G9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
G9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
G9H	40mL HCl clear vial	AG1H	1L HCl amber glass
G9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
G9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
/GKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
/GFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
GFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
G3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
G3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
G1H	1L HCl clear glass	AG3U	250mL unpres amber glass
G1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Dear Mr. Breting:

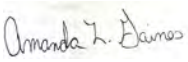
Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384145001	**MW-14D**	Water	10/04/24 12:10	10/04/24 14:53
50384145002	**MW-14I**	Water	10/04/24 12:20	10/04/24 14:53
50384145003	**MW-14S**	Water	10/04/24 12:20	10/04/24 14:53

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384145001	**MW-14D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK, NWB	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384145002	**MW-14I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK, NWB	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384145003	**MW-14S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK, NWB	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384145001	**MW-14D**					
EPA 9056	Chloride	136	mg/L	2.5	10/10/24 08:27	
EPA 9056	Sulfate	266	mg/L	2.5	10/10/24 08:27	
EPA 6010	Boron	4090	ug/L	100	10/09/24 12:09	
EPA 6010	Calcium	138000	ug/L	1000	10/09/24 12:09	
EPA 6010	Lithium	25.2	ug/L	20.0	10/09/24 12:09	
EPA 6010	Magnesium	30300	ug/L	1000	10/09/24 12:09	
EPA 6010	Manganese	104	ug/L	10.0	10/09/24 12:09	
EPA 6010	Molybdenum	20.5	ug/L	10.0	10/09/24 12:09	
EPA 6010	Potassium	3880	ug/L	1000	10/09/24 12:09	
EPA 6010	Sodium	81200	ug/L	1000	10/09/24 12:09	
EPA 6010	Molybdenum, Dissolved	21.8	ug/L	10.0	10/11/24 00:25	
EPA 6020	Barium	21.1	ug/L	1.0	10/09/24 04:02	
EPA 903.1	Radium-226	0.319 ± 0.573 (1.01) C:NA T:90%	pCi/L		10/21/24 15:48	
EPA 904.0	Radium-228	0.418 ± 0.322 (0.621) C:80% T:86%	pCi/L		10/24/24 14:33	
Total Radium Calculation	Total Radium	0.737 ± 0.895 (1.63)	pCi/L		10/25/24 11:39	
SM 2320B	Alkalinity, Total as CaCO3	255	mg/L	10.0	10/04/24 23:47	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	255	mg/L	10.0	10/04/24 23:47	
SM 2540C	Total Dissolved Solids	820	mg/L	10.0	10/09/24 09:31	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/15/24 10:24	H3
50384145002	**MW-14I**					
EPA 9056	Chloride	79.0	mg/L	2.5	10/10/24 11:37	
EPA 9056	Sulfate	164	mg/L	2.5	10/10/24 11:37	
EPA 6010	Boron	3990	ug/L	100	10/09/24 12:11	
EPA 6010	Calcium	102000	ug/L	1000	10/09/24 12:11	
EPA 6010	Lithium	73.0	ug/L	20.0	10/09/24 12:11	
EPA 6010	Magnesium	24700	ug/L	1000	10/09/24 12:11	
EPA 6010	Molybdenum	106	ug/L	10.0	10/09/24 12:11	
EPA 6010	Potassium	4490	ug/L	1000	10/09/24 12:11	
EPA 6010	Sodium	71200	ug/L	1000	10/09/24 12:11	
EPA 6010	Molybdenum, Dissolved	108	ug/L	10.0	10/11/24 00:27	
EPA 6020	Barium	44.2	ug/L	1.0	10/09/24 04:06	
EPA 903.1	Radium-226	0.347 ± 0.528 (0.909) C:NA T:90%	pCi/L		10/21/24 15:48	
EPA 904.0	Radium-228	0.983 ± 0.435 (0.679) C:79% T:85%	pCi/L		10/24/24 14:33	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384145002	**MW-14I**					
Total Radium Calculation	Total Radium	1.33 ± 0.963 (1.59)	pCi/L		10/25/24 11:39	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	10/04/24 23:47	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	259	mg/L	10.0	10/04/24 23:47	
SM 2320B	Alkalinity,Carbonate (CaCO3)	14.4	mg/L	10.0	10/04/24 23:47	
SM 2540C	Total Dissolved Solids	633	mg/L	10.0	10/09/24 09:31	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/15/24 10:25	H3
50384145003	**MW-14S**					
EPA 9056	Chloride	3.0	mg/L	0.25	10/10/24 12:11	
EPA 9056	Fluoride	0.10	mg/L	0.10	10/10/24 12:11	
EPA 9056	Sulfate	15.1	mg/L	0.25	10/10/24 12:11	
EPA 6010	Boron	286	ug/L	100	10/09/24 12:13	
EPA 6010	Calcium	92200	ug/L	1000	10/09/24 12:13	
EPA 6010	Lithium	21.6	ug/L	20.0	10/09/24 12:13	
EPA 6010	Magnesium	24600	ug/L	1000	10/09/24 12:13	
EPA 6010	Molybdenum	43.9	ug/L	10.0	10/09/24 12:13	
EPA 6010	Potassium	2020	ug/L	1000	10/09/24 12:13	
EPA 6010	Sodium	6880	ug/L	1000	10/09/24 12:13	
EPA 6010	Molybdenum, Dissolved	45.6	ug/L	10.0	10/11/24 00:29	
EPA 6020	Barium	28.0	ug/L	1.0	10/09/24 04:29	
EPA 903.1	Radium-226	0.0591 ± 0.384 (0.774) C:NA T:95%	pCi/L		10/21/24 15:48	
EPA 904.0	Radium-228	0.394 ± 0.324 (0.633) C:76% T:89%	pCi/L		10/24/24 14:33	
Total Radium Calculation	Total Radium	0.453 ± 0.708 (1.41)	pCi/L		10/25/24 11:39	
SM 2320B	Alkalinity, Total as CaCO3	308	mg/L	10.0	10/04/24 23:47	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	308	mg/L	10.0	10/04/24 23:47	
SM 2540C	Total Dissolved Solids	339	mg/L	10.0	10/09/24 09:32	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	10/15/24 10:26	H3
EPA 353.2	Nitrogen, Nitrate	9.7	mg/L	0.50	10/05/24 02:13	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14D **Lab ID: 50384145001** Collected: 10/04/24 12:10 Received: 10/04/24 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**136**	mg/L	2.5	1.3	10		10/10/24 08:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/10/24 08:10	16984-48-8	
Sulfate	**266**	mg/L	2.5	1.9	10		10/10/24 08:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4090**	ug/L	100	5.6	1	10/08/24 07:48	10/09/24 12:09	7440-42-8	
Calcium	**138000**	ug/L	1000	83.9	1	10/08/24 07:48	10/09/24 12:09	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/08/24 07:48	10/09/24 12:09	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/08/24 07:48	10/10/24 09:42	7439-92-1	
Lithium	**25.2**	ug/L	20.0	3.8	1	10/08/24 07:48	10/09/24 12:09	7439-93-2	
Magnesium	**30300**	ug/L	1000	53.7	1	10/08/24 07:48	10/09/24 12:09	7439-95-4	
Manganese	**104**	ug/L	10.0	0.77	1	10/08/24 07:48	10/09/24 12:09	7439-96-5	
Molybdenum	**20.5**	ug/L	10.0	1.4	1	10/08/24 07:48	10/09/24 12:09	7439-98-7	
Potassium	**3880**	ug/L	1000	113	1	10/08/24 07:48	10/09/24 12:09	7440-09-7	
Sodium	**81200**	ug/L	1000	95.0	1	10/08/24 07:48	10/09/24 12:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**21.8**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:25	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 04:02	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 04:02	7440-38-2	
Barium	**21.1**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 04:02	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 04:02	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 04:02	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**255**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Bicarbonate (CaCO3)	**255**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**820**	mg/L	10.0	10.0	1		10/09/24 09:31		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/15/24 10:24		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14D **Lab ID: 50384145001** Collected: 10/04/24 12:10 Received: 10/04/24 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/05/24 01:47	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 19:15		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14I **Lab ID: 50384145002** Collected: 10/04/24 12:20 Received: 10/04/24 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**79.0**	mg/L	2.5	1.3	10		10/10/24 11:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/10/24 11:20	16984-48-8	
Sulfate	**164**	mg/L	2.5	1.9	10		10/10/24 11:37	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3990**	ug/L	100	5.6	1	10/08/24 07:48	10/09/24 12:11	7440-42-8	
Calcium	**102000**	ug/L	1000	83.9	1	10/08/24 07:48	10/09/24 12:11	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/08/24 07:48	10/09/24 12:11	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/08/24 07:48	10/10/24 09:44	7439-92-1	
Lithium	**73.0**	ug/L	20.0	3.8	1	10/08/24 07:48	10/09/24 12:11	7439-93-2	
Magnesium	**24700**	ug/L	1000	53.7	1	10/08/24 07:48	10/09/24 12:11	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/08/24 07:48	10/09/24 12:11	7439-96-5	
Molybdenum	**106**	ug/L	10.0	1.4	1	10/08/24 07:48	10/09/24 12:11	7439-98-7	
Potassium	**4490**	ug/L	1000	113	1	10/08/24 07:48	10/09/24 12:11	7440-09-7	
Sodium	**71200**	ug/L	1000	95.0	1	10/08/24 07:48	10/09/24 12:11	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**108**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:27	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 04:06	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 04:06	7440-38-2	
Barium	**44.2**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 04:06	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 04:06	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 04:06	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**274**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Bicarbonate (CaCO3)	**259**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Carbonate (CaCO3)	**14.4**	mg/L	10.0	10.0	1		10/04/24 23:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**633**	mg/L	10.0	10.0	1		10/09/24 09:31		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/15/24 10:25		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14I **Lab ID: 50384145002** Collected: 10/04/24 12:20 Received: 10/04/24 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/05/24 01:48	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 20:01		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14S **Lab ID: 50384145003** Collected: 10/04/24 12:20 Received: 10/04/24 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**3.0**	mg/L	0.25	0.13	1		10/10/24 12:11	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.016	1		10/10/24 12:11	16984-48-8	
Sulfate	**15.1**	mg/L	0.25	0.19	1		10/10/24 12:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**286**	ug/L	100	5.6	1	10/08/24 07:48	10/09/24 12:13	7440-42-8	
Calcium	**92200**	ug/L	1000	83.9	1	10/08/24 07:48	10/09/24 12:13	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/08/24 07:48	10/09/24 12:13	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/08/24 07:48	10/10/24 09:46	7439-92-1	
Lithium	**21.6**	ug/L	20.0	3.8	1	10/08/24 07:48	10/09/24 12:13	7439-93-2	
Magnesium	**24600**	ug/L	1000	53.7	1	10/08/24 07:48	10/09/24 12:13	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/08/24 07:48	10/09/24 12:13	7439-96-5	
Molybdenum	**43.9**	ug/L	10.0	1.4	1	10/08/24 07:48	10/09/24 12:13	7439-98-7	
Potassium	**2020**	ug/L	1000	113	1	10/08/24 07:48	10/09/24 12:13	7440-09-7	
Sodium	**6880**	ug/L	1000	95.0	1	10/08/24 07:48	10/09/24 12:13	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**45.6**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:29	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/08/24 07:36	10/09/24 04:29	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/08/24 07:36	10/09/24 04:29	7440-38-2	
Barium	**28.0**	ug/L	1.0	0.11	1	10/08/24 07:36	10/09/24 04:29	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/08/24 07:36	10/09/24 04:29	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/08/24 07:36	10/09/24 04:29	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**308**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Bicarbonate (CaCO3)	**308**	mg/L	10.0	10.0	1		10/04/24 23:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/04/24 23:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**339**	mg/L	10.0	10.0	1		10/09/24 09:32		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		10/15/24 10:26		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14S **Lab ID: 50384145003** Collected: 10/04/24 12:20 Received: 10/04/24 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**9.7**	mg/L	0.50	0.065	5		10/05/24 02:13	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 20:20		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 812759
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3717780 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/09/24 15:23	
Fluoride	mg/L	ND	0.10	0.016	10/09/24 15:23	
Sulfate	mg/L	ND	0.25	0.19	10/09/24 15:23	

LABORATORY CONTROL SAMPLE: 3717781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	96	80-120	
Fluoride	mg/L	1	1.0	100	80-120	
Sulfate	mg/L	5	4.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717782 3717783

Parameter	Units	50384077001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	48.6	25	25	74.4	74.0	103	102	80-120	0	15	
Fluoride	mg/L	1.3	1	1	2.4	2.4	104	105	80-120	0	15	
Sulfate	mg/L	40.3	50	50	89.4	89.3	98	98	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 812404
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3716601 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/09/24 11:16	
Calcium	ug/L	ND	1000	83.9	10/09/24 11:16	
Iron	ug/L	ND	100	41.0	10/09/24 11:16	
Lead	ug/L	ND	10.0	2.0	10/09/24 11:16	
Lithium	ug/L	ND	20.0	3.8	10/09/24 11:16	
Magnesium	ug/L	ND	1000	53.7	10/09/24 11:16	
Manganese	ug/L	ND	10.0	0.77	10/09/24 11:16	
Molybdenum	ug/L	ND	10.0	1.4	10/09/24 11:16	
Potassium	ug/L	ND	1000	113	10/09/24 11:16	
Sodium	ug/L	ND	1000	95.0	10/09/24 11:16	

LABORATORY CONTROL SAMPLE: 3716602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	933	93	80-120	
Calcium	ug/L	10000	9590	96	80-120	
Iron	ug/L	10000	9590	96	80-120	
Lead	ug/L	1000	889	89	80-120	
Lithium	ug/L	1000	950	95	80-120	
Magnesium	ug/L	10000	9470	95	80-120	
Manganese	ug/L	1000	981	98	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9940	99	80-120	
Sodium	ug/L	10000	9480	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716603 3716604

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1030	1000	97	95	75-125	3	20	
Calcium	ug/L	101000	10000	10000	110000	106000	85	47	75-125	4	20	P6
Iron	ug/L	ND	10000	10000	9540	9400	95	94	75-125	1	20	
Lead	ug/L	ND	1000	1000	928	910	93	91	75-125	2	20	
Lithium	ug/L	ND	1000	1000	936	911	93	91	75-125	3	20	
Magnesium	ug/L	25900	10000	10000	34900	33800	90	79	75-125	3	20	
Manganese	ug/L	ND	1000	1000	979	957	98	96	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1000	993	100	99	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716603 3716604

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	3360	10000	10000	12900	12500	95	92	75-125	3	20	
Sodium	ug/L	26900	10000	10000	35500	34600	86	77	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 813010
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3718970 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/11/24 00:16	

LABORATORY CONTROL SAMPLE: 3718971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718972 3718973

Parameter	Units	50384325001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	41.5	1000	1000	1100	1110	106	107	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 812483
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3716818 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/08/24 23:38	
Arsenic	ug/L	ND	1.0	0.080	10/08/24 23:38	
Barium	ug/L	ND	1.0	0.11	10/08/24 23:38	
Cobalt	ug/L	ND	1.0	0.045	10/08/24 23:38	
Selenium	ug/L	ND	1.0	0.26	10/08/24 23:38	

LABORATORY CONTROL SAMPLE: 3716819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.4	106	80-120	
Arsenic	ug/L	40	40.0	100	80-120	
Barium	ug/L	40	38.3	96	80-120	
Cobalt	ug/L	40	40.1	100	80-120	
Selenium	ug/L	40	39.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716820 3716821

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.5	43.4	109	108	75-125	0	20	
Arsenic	ug/L	8.8	40	40	49.5	48.9	102	100	75-125	1	20	
Barium	ug/L	89.5	40	40	128	129	96	99	75-125	1	20	
Cobalt	ug/L	ND	40	40	38.4	37.3	95	92	75-125	3	20	
Selenium	ug/L	ND	40	40	39.3	38.1	98	95	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716822 3716823

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.4	43.3	108	108	75-125	0	20	
Arsenic	ug/L	ND	40	40	41.0	40.5	102	101	75-125	1	20	
Barium	ug/L	45.8	40	40	87.0	87.4	103	104	75-125	0	20	
Cobalt	ug/L	ND	40	40	37.7	38.2	94	95	75-125	1	20	
Selenium	ug/L	ND	40	40	40.0	39.6	98	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 812339
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3716263 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/04/24 23:47	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:47	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/04/24 23:47	

LABORATORY CONTROL SAMPLE: 3716264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.0	98	90-110	

SAMPLE DUPLICATE: 3716265

Parameter	Units	50383907001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	242	246	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	242	246	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3716266

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	333	341	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	333	341	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 812833
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3718121 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/09/24 09:22	

LABORATORY CONTROL SAMPLE: 3718122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	268	89	80-120	

SAMPLE DUPLICATE: 3718123

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	447	448	0	10	

SAMPLE DUPLICATE: 3718124

Parameter	Units	50384145001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	820	830	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 813744
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

SAMPLE DUPLICATE: 3722440

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3722441

Parameter	Units	50384222001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 812345
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3716325 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/05/24 01:15	

LABORATORY CONTROL SAMPLE: 3716326

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3716327 3716328

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	9.1	5	5	14.1	14.1	99	99	90-110	0	20	

MATRIX SPIKE SAMPLE: 3716329

Parameter	Units	50384145003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	9.7	5	14.6	99	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 812706
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3717527 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/10/24 16:55	

LABORATORY CONTROL SAMPLE: 3717528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717529 3717530

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.6	101	104	80-120	3	15	

MATRIX SPIKE SAMPLE: 3717531

Parameter	Units	50384145001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	10.5	101	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14D **Lab ID: 50384145001** Collected: 10/04/24 12:10 Received: 10/04/24 14:53 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.319 ± 0.573 (1.01) C:NA T:90%**	pCi/L	10/21/24 15:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.418 ± 0.322 (0.621) C:80% T:86%**	pCi/L	10/24/24 14:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.737 ± 0.895 (1.63)**	pCi/L	10/25/24 11:39	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14I **Lab ID: 50384145002** Collected: 10/04/24 12:20 Received: 10/04/24 14:53 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.347 ± 0.528 (0.909) C:NA T:90%**	pCi/L	10/21/24 15:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.983 ± 0.435 (0.679) C:79% T:85%**	pCi/L	10/24/24 14:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.33 ± 0.963 (1.59)**	pCi/L	10/25/24 11:39	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Sample: MW-14S **Lab ID: 50384145003** Collected: 10/04/24 12:20 Received: 10/04/24 14:53 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0591 ± 0.384 (0.774) C:NA T:95%**	pCi/L	10/21/24 15:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.394 ± 0.324 (0.633) C:76% T:89%**	pCi/L	10/24/24 14:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.453 ± 0.708 (1.41)**	pCi/L	10/25/24 11:39	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 701618
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3417160 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.145 ± 0.284 (0.519) C:NA T:94%	pCi/L	10/21/24 15:20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

QC Batch: 701619
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384145001, 50384145002, 50384145003

METHOD BLANK: 3417161 Matrix: Water
Associated Lab Samples: 50384145001, 50384145002, 50384145003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.482 ± 0.319 (0.601) C:80% T:88%	pCi/L	10/24/24 12:22	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384145

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384145001	**MW-14D**	EPA 9056	812759		
50384145002	**MW-14I**	EPA 9056	812759		
50384145003	**MW-14S**	EPA 9056	812759		
50384145001	**MW-14D**	EPA 3010	812404	EPA 6010	812873
50384145002	**MW-14I**	EPA 3010	812404	EPA 6010	812873
50384145003	**MW-14S**	EPA 3010	812404	EPA 6010	812873
50384145001	**MW-14D**	EPA 3010	813010	EPA 6010	813251
50384145002	**MW-14I**	EPA 3010	813010	EPA 6010	813251
50384145003	**MW-14S**	EPA 3010	813010	EPA 6010	813251
50384145001	**MW-14D**	EPA 200.2	812483	EPA 6020	812784
50384145002	**MW-14I**	EPA 200.2	812483	EPA 6020	812784
50384145003	**MW-14S**	EPA 200.2	812483	EPA 6020	812784
50384145001	**MW-14D**	EPA 903.1	701618		
50384145002	**MW-14I**	EPA 903.1	701618		
50384145003	**MW-14S**	EPA 903.1	701618		
50384145001	**MW-14D**	EPA 904.0	701619		
50384145002	**MW-14I**	EPA 904.0	701619		
50384145003	**MW-14S**	EPA 904.0	701619		
50384145001	**MW-14D**	Total Radium Calculation	705335		
50384145002	**MW-14I**	Total Radium Calculation	705335		
50384145003	**MW-14S**	Total Radium Calculation	705335		
50384145001	**MW-14D**	SM 2320B	812339		
50384145002	**MW-14I**	SM 2320B	812339		
50384145003	**MW-14S**	SM 2320B	812339		
50384145001	**MW-14D**	SM 2540C	812833		
50384145002	**MW-14I**	SM 2540C	812833		
50384145003	**MW-14S**	SM 2540C	812833		
50384145001	**MW-14D**	SM 4500-H+B	813744		
50384145002	**MW-14I**	SM 4500-H+B	813744		
50384145003	**MW-14S**	SM 4500-H+B	813744		
50384145001	**MW-14D**	EPA 353.2	812345		
50384145002	**MW-14I**	EPA 353.2	812345		
50384145003	**MW-14S**	EPA 353.2	812345		
50384145001	**MW-14D**	SM 5310C	812706		
50384145002	**MW-14I**	SM 5310C	812706		
50384145003	**MW-14S**	SM 5310C	812706		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder label Here

WO# : 50384145

50384145

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-14D	GW	G	10/4/24	1200						X	X	X	X	X	X	X	X	001
MW-14I	GW	G	↓	1220						↓	↓	↓	↓	↓	↓	↓	↓	002
MW-14S	GW	G	↓	1220						↓	↓	↓	↓	↓	↓	↓	↓	003

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Mohammed Bazkamit
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
B3	C	0.0	See SCVR		

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	10/4/24	Pace	10/4 14:53
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [✓] In- Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 15:20 1014 JS

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. Cooler Temperature(s): 4.5/4.5 | 5.2/5.2 | 3.2/3.2 | (Initial/Corrected)

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: Circle One — Fed Ex UPS (Client) Pace Now/Jett Other

4. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☑ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate, RAD	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 16:35	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		✓

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													1			2	1	2	1	1									WT	✓	✓		
2													1			2	1	2	1	1									1	1	1		
3													1			2	1	2	1	1									1	1	1		
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

G9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
G9P	40mL TSP amber vial	BG1U	1L unpreserved glass
G9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
G9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
G9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
G9H	40mL HCl clear vial	AG1H	1L HCl amber glass
G9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
G9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
/GKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
/GFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
GFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
G3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
G3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
G1H	1L HCl clear glass	AG3U	250mL unpres amber glass
G1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Dear Mr. Breting:

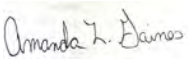
Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384325001	**MW-3I**	Water	10/07/24 10:15	10/08/24 08:32
50384325002	**MW-3D**	Water	10/07/24 10:17	10/08/24 08:32
50384325003	**MW-2I**	Water	10/07/24 11:45	10/08/24 08:32
50384325004	**MW-2D**	Water	10/07/24 11:55	10/08/24 08:32
50384325005	**MW-2S**	Water	10/07/24 13:30	10/08/24 08:32
50384325006	**MW-3S**	Water	10/07/24 13:40	10/08/24 08:32

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384325001	**MW-3I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384325002	**MW-3D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384325003	**MW-2I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384325004	**MW-2D**	EPA 9056	DMP1	3	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JPK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384325005	**MW-2S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384325006	**MW-3S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384325001	**MW-3I**					
EPA 9056	Chloride	164	mg/L	2.5	10/10/24 12:22	
EPA 9056	Fluoride	0.33	mg/L	0.10	10/10/24 12:06	
EPA 9056	Sulfate	182	mg/L	2.5	10/10/24 12:22	
EPA 6010	Boron	117	ug/L	100	10/12/24 03:09	
EPA 6010	Calcium	94900	ug/L	1000	10/12/24 03:09	
EPA 6010	Magnesium	30900	ug/L	1000	10/12/24 03:09	
EPA 6010	Manganese	46.9	ug/L	10.0	10/12/24 03:09	
EPA 6010	Molybdenum	41.0	ug/L	10.0	10/12/24 03:09	
EPA 6010	Potassium	6240	ug/L	1000	10/12/24 03:09	
EPA 6010	Sodium	118000	ug/L	1000	10/12/24 03:09	
EPA 6010	Molybdenum, Dissolved	41.5	ug/L	10.0	10/11/24 00:33	
EPA 6020	Barium	97.1	ug/L	1.0	10/11/24 07:03	
EPA 903.1	Radium-226	0.543 ± 0.587 (0.946) C:NA T:90%	pCi/L		10/24/24 14:49	
EPA 904.0	Radium-228	0.262 ± 0.406 (0.878) C:77% T:82%	pCi/L		10/17/24 12:12	
Total Radium Calculation	Total Radium	0.805 ± 0.993 (1.82)	pCi/L		10/25/24 13:16	
SM 2320B	Alkalinity, Total as CaCO3	218	mg/L	10.0	10/09/24 23:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	218	mg/L	10.0	10/09/24 23:30	
SM 2540C	Total Dissolved Solids	678	mg/L	20.0	10/09/24 09:43	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	10/15/24 10:45	H3
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	10/10/24 21:26	
50384325002	**MW-3D**					
EPA 9056	Chloride	54.6	mg/L	2.5	10/10/24 12:54	
EPA 9056	Fluoride	0.18	mg/L	0.10	10/10/24 12:38	
EPA 9056	Sulfate	48.2	mg/L	0.25	10/10/24 12:38	
EPA 6010	Boron	121	ug/L	100	10/12/24 03:11	
EPA 6010	Calcium	89500	ug/L	1000	10/12/24 03:11	
EPA 6010	Iron	1390	ug/L	100	10/12/24 03:11	
EPA 6010	Magnesium	30600	ug/L	1000	10/12/24 03:11	
EPA 6010	Manganese	203	ug/L	10.0	10/12/24 03:11	
EPA 6010	Molybdenum	10.7	ug/L	10.0	10/12/24 03:11	
EPA 6010	Potassium	3870	ug/L	1000	10/12/24 03:11	
EPA 6010	Sodium	28600	ug/L	1000	10/12/24 03:11	
EPA 6010	Molybdenum, Dissolved	12.0	ug/L	10.0	10/11/24 00:48	
EPA 6020	Arsenic	5.4	ug/L	1.0	10/11/24 07:07	
EPA 6020	Barium	98.2	ug/L	1.0	10/11/24 07:07	
EPA 903.1	Radium-226	0.376 ± 0.549 (0.936) C:NA T:96%	pCi/L		10/24/24 14:49	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384325002	**MW-3D**					
EPA 904.0	Radium-228	0.596 ± 0.435 (0.854) C:78% T:81%	pCi/L		10/17/24 12:12	
Total Radium Calculation	Total Radium	0.972 ± 0.984 (1.79)	pCi/L		10/25/24 13:16	
SM 2320B	Alkalinity, Total as CaCO3	298	mg/L	10.0	10/09/24 23:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	298	mg/L	10.0	10/09/24 23:30	
SM 2540C	Total Dissolved Solids	410	mg/L	10.0	10/09/24 09:44	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/15/24 10:46	H3
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	10/10/24 21:45	
50384325003	**MW-2I**					
EPA 9056	Chloride	97.9	mg/L	2.5	10/10/24 13:27	
EPA 9056	Fluoride	0.30	mg/L	0.10	10/10/24 13:11	
EPA 9056	Sulfate	78.4	mg/L	2.5	10/10/24 13:27	
EPA 6010	Boron	165	ug/L	100	10/12/24 03:13	
EPA 6010	Calcium	66800	ug/L	1000	10/12/24 03:13	
EPA 6010	Lithium	29.3	ug/L	20.0	10/12/24 03:13	
EPA 6010	Magnesium	21000	ug/L	1000	10/12/24 03:13	
EPA 6010	Manganese	110	ug/L	10.0	10/12/24 03:13	
EPA 6010	Molybdenum	86.0	ug/L	10.0	10/12/24 03:13	
EPA 6010	Potassium	6600	ug/L	1000	10/12/24 03:13	
EPA 6010	Sodium	79000	ug/L	1000	10/12/24 03:13	
EPA 6010	Molybdenum, Dissolved	86.3	ug/L	10.0	10/11/24 00:50	
EPA 6020	Barium	67.9	ug/L	1.0	10/11/24 07:10	
EPA 903.1	Radium-226	0.494 ± 0.657 (1.10) C:NA T:89%	pCi/L		10/24/24 14:49	
EPA 904.0	Radium-228	0.561 ± 0.366 (0.686) C:79% T:83%	pCi/L		10/17/24 14:11	
Total Radium Calculation	Total Radium	1.06 ± 1.02 (1.79)	pCi/L		10/25/24 13:16	
SM 2320B	Alkalinity, Total as CaCO3	235	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	235	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	489	mg/L	10.0	10/09/24 09:44	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 10:48	H3
50384325004	**MW-2D**					
EPA 9056	Chloride	77.9	mg/L	2.5	10/10/24 14:35	
EPA 9056	Fluoride	0.29	mg/L	0.10	10/10/24 14:18	
EPA 9056	Sulfate	64.3	mg/L	2.5	10/10/24 14:35	
EPA 6010	Boron	136	ug/L	100	10/12/24 03:15	
EPA 6010	Calcium	75400	ug/L	1000	10/12/24 03:15	
EPA 6010	Iron	973	ug/L	100	10/12/24 03:15	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384325004	**MW-2D**					
EPA 6010	Lithium	29.6	ug/L	20.0	10/12/24 03:15	
EPA 6010	Magnesium	20800	ug/L	1000	10/12/24 03:15	
EPA 6010	Manganese	214	ug/L	10.0	10/12/24 03:15	
EPA 6010	Molybdenum	34.3	ug/L	10.0	10/12/24 03:15	
EPA 6010	Potassium	7470	ug/L	1000	10/12/24 03:15	
EPA 6010	Sodium	59900	ug/L	1000	10/12/24 03:15	
EPA 6010	Molybdenum, Dissolved	35.5	ug/L	10.0	10/11/24 00:52	
EPA 6020	Arsenic	4.2	ug/L	1.0	10/11/24 07:13	
EPA 6020	Barium	70.0	ug/L	1.0	10/11/24 07:13	
EPA 903.1	Radium-226	0.756 ± 0.539 (0.757) C:NA T:94%	pCi/L		10/24/24 14:49	
EPA 904.0	Radium-228	0.427 ± 0.317 (0.609) C:78% T:89%	pCi/L		10/17/24 14:12	
Total Radium Calculation	Total Radium	1.18 ± 0.856 (1.37)	pCi/L		10/25/24 13:16	
SM 2320B	Alkalinity, Total as CaCO3	247	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	247	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	374	mg/L	10.0	10/09/24 09:44	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 10:50	H3
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	10/10/24 22:31	
50384325005	**MW-2S**					
EPA 9056	Chloride	129	mg/L	2.5	10/10/24 15:27	
EPA 9056	Fluoride	0.19	mg/L	0.10	10/10/24 15:10	
EPA 9056	Sulfate	111	mg/L	2.5	10/10/24 15:27	
EPA 6010	Boron	373	ug/L	100	10/12/24 03:17	
EPA 6010	Calcium	129000	ug/L	1000	10/12/24 03:17	
EPA 6010	Lithium	36.2	ug/L	20.0	10/12/24 03:17	
EPA 6010	Magnesium	29800	ug/L	1000	10/12/24 03:17	
EPA 6010	Molybdenum	11.5	ug/L	10.0	10/12/24 03:17	
EPA 6010	Potassium	5760	ug/L	1000	10/12/24 03:17	
EPA 6010	Sodium	89500	ug/L	1000	10/12/24 03:17	
EPA 6010	Molybdenum, Dissolved	12.5	ug/L	10.0	10/11/24 00:54	
EPA 6020	Arsenic	5.7	ug/L	1.0	10/11/24 07:23	
EPA 6020	Barium	114	ug/L	1.0	10/11/24 07:23	
EPA 6020	Selenium	4.5	ug/L	1.0	10/11/24 07:23	
EPA 903.1	Radium-226	0.0979 ± 0.543 (1.01) C:NA T:94%	pCi/L		10/24/24 14:49	
EPA 904.0	Radium-228	0.652 ± 0.383 (0.694) C:78% T:84%	pCi/L		10/17/24 14:12	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384325005	**MW-2S**					
Total Radium Calculation	Total Radium	0.750 ± 0.926 (1.70)	pCi/L		10/25/24 13:16	
SM 2320B	Alkalinity, Total as CaCO3	376	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	376	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	670	mg/L	20.0	10/09/24 09:45	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	10/15/24 10:51	H3
EPA 353.2	Nitrogen, Nitrate	1.1	mg/L	0.10	10/09/24 00:18	
50384325006	**MW-3S**					
EPA 9056	Chloride	89.4	mg/L	2.5	10/10/24 16:21	
EPA 9056	Fluoride	0.27	mg/L	0.10	10/10/24 16:04	
EPA 9056	Sulfate	130	mg/L	2.5	10/10/24 16:21	
EPA 6010	Boron	426	ug/L	100	10/12/24 03:19	
EPA 6010	Calcium	93100	ug/L	1000	10/12/24 03:19	
EPA 6010	Magnesium	26100	ug/L	1000	10/12/24 03:19	
EPA 6010	Manganese	700	ug/L	10.0	10/12/24 03:19	
EPA 6010	Molybdenum	40.3	ug/L	10.0	10/12/24 03:19	
EPA 6010	Potassium	4650	ug/L	1000	10/12/24 03:19	
EPA 6010	Sodium	73700	ug/L	1000	10/12/24 03:19	
EPA 6010	Molybdenum, Dissolved	40.0	ug/L	10.0	10/11/24 00:56	
EPA 6020	Barium	81.4	ug/L	1.0	10/11/24 07:27	
EPA 903.1	Radium-226	0.166 ± 0.659 (1.21) C:NA T:95%	pCi/L		10/24/24 14:49	
EPA 904.0	Radium-228	0.203 ± 0.355 (0.776) C:78% T:81%	pCi/L		10/17/24 14:12	
Total Radium Calculation	Total Radium	0.369 ± 1.01 (1.99)	pCi/L		10/25/24 13:16	
SM 2320B	Alkalinity, Total as CaCO3	252	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	252	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	583	mg/L	10.0	10/09/24 09:45	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	10/15/24 10:52	H3
EPA 353.2	Nitrogen, Nitrate	1.1	mg/L	0.10	10/09/24 00:22	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3I **Lab ID: 50384325001** Collected: 10/07/24 10:15 Received: 10/08/24 08:32 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**164**	mg/L	2.5	1.3	10		10/10/24 12:22	16887-00-6	
Fluoride	**0.33**	mg/L	0.10	0.016	1		10/10/24 12:06	16984-48-8	
Sulfate	**182**	mg/L	2.5	1.9	10		10/10/24 12:22	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**117**	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:09	7440-42-8	
Calcium	**94900**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:09	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:09	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:09	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:09	7439-93-2	
Magnesium	**30900**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:09	7439-95-4	
Manganese	**46.9**	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:09	7439-96-5	
Molybdenum	**41.0**	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:09	7439-98-7	
Potassium	**6240**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:09	7440-09-7	
Sodium	**118000**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**41.5**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:33	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:03	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:03	7440-38-2	
Barium	**97.1**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:03	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:03	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:03	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**218**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Bicarbonate (CaCO3)	**218**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/09/24 23:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**678**	mg/L	20.0	20.0	1		10/09/24 09:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		10/15/24 10:45		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3I **Lab ID: 50384325001** Collected: 10/07/24 10:15 Received: 10/08/24 08:32 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/08/24 23:35	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.25	1		10/10/24 21:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3D **Lab ID: 50384325002** Collected: 10/07/24 10:17 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**54.6**	mg/L	2.5	1.3	10		10/10/24 12:54	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.016	1		10/10/24 12:38	16984-48-8	
Sulfate	**48.2**	mg/L	0.25	0.19	1		10/10/24 12:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**121**	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:11	7440-42-8	
Calcium	**89500**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:11	7440-70-2	
Iron	**1390**	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:11	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:11	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:11	7439-93-2	
Magnesium	**30600**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:11	7439-95-4	
Manganese	**203**	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:11	7439-96-5	
Molybdenum	**10.7**	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:11	7439-98-7	
Potassium	**3870**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:11	7440-09-7	
Sodium	**28600**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:11	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**12.0**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:48	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:07	7440-36-0	
Arsenic	**5.4**	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:07	7440-38-2	
Barium	**98.2**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:07	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:07	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:07	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**298**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Bicarbonate (CaCO3)	**298**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/09/24 23:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**410**	mg/L	10.0	10.0	1		10/09/24 09:44		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/15/24 10:46		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3D **Lab ID: 50384325002** Collected: 10/07/24 10:17 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/08/24 23:37	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.25	1		10/10/24 21:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2I **Lab ID: 50384325003** Collected: 10/07/24 11:45 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**97.9**	mg/L	2.5	1.3	10		10/10/24 13:27	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.016	1		10/10/24 13:11	16984-48-8	
Sulfate	**78.4**	mg/L	2.5	1.9	10		10/10/24 13:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**165**	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:13	7440-42-8	
Calcium	**66800**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:13	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:13	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:13	7439-92-1	
Lithium	**29.3**	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:13	7439-93-2	
Magnesium	**21000**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:13	7439-95-4	
Manganese	**110**	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:13	7439-96-5	
Molybdenum	**86.0**	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:13	7439-98-7	
Potassium	**6600**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:13	7440-09-7	
Sodium	**79000**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:13	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**86.3**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:50	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:10	7440-38-2	
Barium	**67.9**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:10	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:10	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:10	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**235**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**235**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**489**	mg/L	10.0	10.0	1		10/09/24 09:44		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 10:48		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2I **Lab ID: 50384325003** Collected: 10/07/24 11:45 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/08/24 23:56	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 22:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2D **Lab ID: 50384325004** Collected: 10/07/24 11:55 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**77.9**	mg/L	2.5	1.3	10		10/10/24 14:35	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.016	1		10/10/24 14:18	16984-48-8	
Sulfate	**64.3**	mg/L	2.5	1.9	10		10/10/24 14:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**136**	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:15	7440-42-8	
Calcium	**75400**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:15	7440-70-2	
Iron	**973**	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:15	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:15	7439-92-1	
Lithium	**29.6**	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:15	7439-93-2	
Magnesium	**20800**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:15	7439-95-4	
Manganese	**214**	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:15	7439-96-5	
Molybdenum	**34.3**	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:15	7439-98-7	
Potassium	**7470**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:15	7440-09-7	
Sodium	**59900**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:15	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**35.5**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:52	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:13	7440-36-0	
Arsenic	**4.2**	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:13	7440-38-2	
Barium	**70.0**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:13	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:13	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:13	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**247**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**247**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**374**	mg/L	10.0	10.0	1		10/09/24 09:44		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 10:50		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2D **Lab ID: 50384325004** Collected: 10/07/24 11:55 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/08/24 23:57	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.25	1		10/10/24 22:31		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2S **Lab ID: 50384325005** Collected: 10/07/24 13:30 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**129**	mg/L	2.5	1.3	10		10/10/24 15:27	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.016	1		10/10/24 15:10	16984-48-8	
Sulfate	**111**	mg/L	2.5	1.9	10		10/10/24 15:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**373**	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:17	7440-42-8	
Calcium	**129000**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:17	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:17	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:17	7439-92-1	
Lithium	**36.2**	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:17	7439-93-2	
Magnesium	**29800**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:17	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:17	7439-96-5	
Molybdenum	**11.5**	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:17	7439-98-7	
Potassium	**5760**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:17	7440-09-7	
Sodium	**89500**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:17	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**12.5**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:54	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:23	7440-36-0	
Arsenic	**5.7**	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:23	7440-38-2	
Barium	**114**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:23	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:23	7440-48-4	
Selenium	**4.5**	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:23	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**376**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**376**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**670**	mg/L	20.0	20.0	1		10/09/24 09:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		10/15/24 10:51		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2S **Lab ID: 50384325005** Collected: 10/07/24 13:30 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.1**	mg/L	0.10	0.013	1		10/09/24 00:18	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 22:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3S **Lab ID: 50384325006** Collected: 10/07/24 13:40 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**89.4**	mg/L	2.5	1.3	10		10/10/24 16:21	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		10/10/24 16:04	16984-48-8	
Sulfate	**130**	mg/L	2.5	1.9	10		10/10/24 16:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**426**	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:19	7440-42-8	
Calcium	**93100**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:19	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:19	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:19	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:19	7439-93-2	
Magnesium	**26100**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:19	7439-95-4	
Manganese	**700**	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:19	7439-96-5	
Molybdenum	**40.3**	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:19	7439-98-7	
Potassium	**4650**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:19	7440-09-7	
Sodium	**73700**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:19	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**40.0**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:56	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:27	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:27	7440-38-2	
Barium	**81.4**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:27	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:27	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:27	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**252**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**252**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**583**	mg/L	10.0	10.0	1		10/09/24 09:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		10/15/24 10:52		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3S **Lab ID: 50384325006** Collected: 10/07/24 13:40 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.1**	mg/L	0.10	0.013	1		10/09/24 00:22	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 23:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812934
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3718622 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/09/24 23:56	
Fluoride	mg/L	ND	0.10	0.016	10/09/24 23:56	
Sulfate	mg/L	ND	0.25	0.19	10/09/24 23:56	

LABORATORY CONTROL SAMPLE: 3718623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	1.0	100	80-120	
Sulfate	mg/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718624 3718625

Parameter	Units	50384222001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.5	2.5	2.5	8.0	8.0	99	100	80-120	0	15	
Fluoride	mg/L	2.1	1	1	3.2	3.2	109	108	80-120	0	15	
Sulfate	mg/L	44.1	50	50	91.5	91.6	95	95	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812780
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3718006 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/12/24 02:34	
Calcium	ug/L	ND	1000	83.9	10/12/24 02:34	
Iron	ug/L	ND	100	41.0	10/12/24 02:34	
Lead	ug/L	ND	10.0	2.0	10/12/24 02:34	
Lithium	ug/L	ND	20.0	3.8	10/12/24 02:34	
Magnesium	ug/L	ND	1000	53.7	10/12/24 02:34	
Manganese	ug/L	ND	10.0	0.77	10/12/24 02:34	
Molybdenum	ug/L	ND	10.0	1.4	10/12/24 02:34	
Potassium	ug/L	ND	1000	113	10/12/24 02:34	
Sodium	ug/L	ND	1000	95.0	10/12/24 02:34	

LABORATORY CONTROL SAMPLE: 3718007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	988	99	80-120	
Calcium	ug/L	10000	9780	98	80-120	
Iron	ug/L	10000	9940	99	80-120	
Lead	ug/L	1000	962	96	80-120	
Lithium	ug/L	1000	985	99	80-120	
Magnesium	ug/L	10000	9970	100	80-120	
Manganese	ug/L	1000	1010	101	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9910	99	80-120	
Sodium	ug/L	10000	9780	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718008 3718009

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1010	1060	98	103	75-125	5	20	
Calcium	ug/L	82100	10000	10000	89200	93700	71	116	75-125	5	20	P6
Iron	ug/L	ND	10000	10000	9570	10000	95	100	75-125	5	20	
Lead	ug/L	ND	1000	1000	942	928	94	93	75-125	2	20	
Lithium	ug/L	ND	1000	1000	976	969	97	96	75-125	1	20	
Magnesium	ug/L	24000	10000	10000	32700	34600	87	106	75-125	5	20	
Manganese	ug/L	39.6	1000	1000	1010	1060	97	102	75-125	5	20	
Molybdenum	ug/L	ND	1000	1000	1040	1020	104	102	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718008 3718009

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	1450	10000	10000	11300	11100	98	97	75-125	1	20	
Sodium	ug/L	8960	10000	10000	18400	18300	94	93	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 813010
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3718970 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/11/24 00:16	

LABORATORY CONTROL SAMPLE: 3718971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718972 3718973

Parameter	Units	50384325001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	41.5	1000	1000	1100	1110	106	107	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812858
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3718193 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/11/24 06:56	
Arsenic	ug/L	ND	1.0	0.080	10/11/24 06:56	
Barium	ug/L	ND	1.0	0.11	10/11/24 06:56	
Cobalt	ug/L	ND	1.0	0.045	10/11/24 06:56	
Selenium	ug/L	ND	1.0	0.26	10/11/24 06:56	

LABORATORY CONTROL SAMPLE: 3718194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.8	107	80-120	
Arsenic	ug/L	40	38.3	96	80-120	
Barium	ug/L	40	38.9	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	38.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718195 3718196

Parameter	Units	50384325006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.1	43.5	107	108	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.5	38.2	96	95	75-125	1	20	
Barium	ug/L	81.4	40	40	121	118	99	91	75-125	3	20	
Cobalt	ug/L	ND	40	40	37.8	37.4	94	93	75-125	1	20	
Selenium	ug/L	ND	40	40	39.1	38.6	96	95	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812996
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002

METHOD BLANK: 3718906 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/09/24 23:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/09/24 23:30	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/09/24 23:30	

LABORATORY CONTROL SAMPLE: 3718907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	46.1	92	90-110	

SAMPLE DUPLICATE: 3718908

Parameter	Units	50384373001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	945	938	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	918	908	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	27.2	30.0	10	20	

SAMPLE DUPLICATE: 3718909

Parameter	Units	50384397002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	254	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	246	254	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812997 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3718910 Matrix: Water
Associated Lab Samples: 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/10/24 01:14	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/10/24 01:14	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/10/24 01:14	

LABORATORY CONTROL SAMPLE: 3718911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.1	94	90-110	

SAMPLE DUPLICATE: 3718912

Parameter	Units	50384306001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	175	178	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	160	162	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	15.6	15.2	3	20	

SAMPLE DUPLICATE: 3718913

Parameter	Units	50384325003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	235	239	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	235	239	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812837 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3718131 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/09/24 09:40	

LABORATORY CONTROL SAMPLE: 3718132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	286	95	80-120	

SAMPLE DUPLICATE: 3718133

Parameter	Units	50384222001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	250	225	11	10	R1

SAMPLE DUPLICATE: 3718134

Parameter	Units	50384222003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	283	271	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 813744
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

SAMPLE DUPLICATE: 3722440

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3722441

Parameter	Units	50384222001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812772
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3717943 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/08/24 23:30	

LABORATORY CONTROL SAMPLE: 3717944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717945 3717946

Parameter	Units	50384324003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	1.9	1	1	2.9	2.9	100	100	90-110	0	20	

MATRIX SPIKE SAMPLE: 3717947

Parameter	Units	50384325005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1	2.1	102	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 812706 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3717527 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/10/24 16:55	

LABORATORY CONTROL SAMPLE: 3717528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717529 3717530

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.6	101	104	80-120	3	15	

MATRIX SPIKE SAMPLE: 3717531

Parameter	Units	50384145001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	10.5	101	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3I **Lab ID: 50384325001** Collected: 10/07/24 10:15 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.543 ± 0.587 (0.946) C:NA T:90%**	pCi/L	10/24/24 14:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.262 ± 0.406 (0.878) C:77% T:82%**	pCi/L	10/17/24 12:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.805 ± 0.993 (1.82)**	pCi/L	10/25/24 13:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3D **Lab ID: 50384325002** Collected: 10/07/24 10:17 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.376 ± 0.549 (0.936) C:NA T:96%**	pCi/L	10/24/24 14:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.596 ± 0.435 (0.854) C:78% T:81%**	pCi/L	10/17/24 12:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.972 ± 0.984 (1.79)**	pCi/L	10/25/24 13:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2I **Lab ID: 50384325003** Collected: 10/07/24 11:45 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.494 ± 0.657 (1.10) C:NA T:89%**	pCi/L	10/24/24 14:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.561 ± 0.366 (0.686) C:79% T:83%**	pCi/L	10/17/24 14:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.06 ± 1.02 (1.79)**	pCi/L	10/25/24 13:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2D **Lab ID: 50384325004** Collected: 10/07/24 11:55 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.756 ± 0.539 (0.757) C:NA T:94%**	pCi/L	10/24/24 14:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.427 ± 0.317 (0.609) C:78% T:89%**	pCi/L	10/17/24 14:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.18 ± 0.856 (1.37)**	pCi/L	10/25/24 13:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-2S **Lab ID: 50384325005** Collected: 10/07/24 13:30 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0979 ± 0.543 (1.01) C:NA T:94%**	pCi/L	10/24/24 14:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.652 ± 0.383 (0.694) C:78% T:84%**	pCi/L	10/17/24 14:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.750 ± 0.926 (1.70)**	pCi/L	10/25/24 13:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Sample: MW-3S **Lab ID: 50384325006** Collected: 10/07/24 13:40 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.166 ± 0.659 (1.21) C:NA T:95%**	pCi/L	10/24/24 14:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.203 ± 0.355 (0.776) C:78% T:81%**	pCi/L	10/17/24 14:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.369 ± 1.01 (1.99)**	pCi/L	10/25/24 13:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 701950 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3418919 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.313 ± 0.235 (0.121) C:NA T:89%	pCi/L	10/24/24 14:36	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

QC Batch: 701951 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

METHOD BLANK: 3418921 Matrix: Water
Associated Lab Samples: 50384325001, 50384325002, 50384325003, 50384325004, 50384325005, 50384325006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.0664 ± 0.270 (0.650) C:77% T:90%	pCi/L	10/17/24 12:11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384325001	**MW-3I**	EPA 9056	812934		
50384325002	**MW-3D**	EPA 9056	812934		
50384325003	**MW-2I**	EPA 9056	812934		
50384325004	**MW-2D**	EPA 9056	812934		
50384325005	**MW-2S**	EPA 9056	812934		
50384325006	**MW-3S**	EPA 9056	812934		
50384325001	**MW-3I**	EPA 3010	812780	EPA 6010	813453
50384325002	**MW-3D**	EPA 3010	812780	EPA 6010	813453
50384325003	**MW-2I**	EPA 3010	812780	EPA 6010	813453
50384325004	**MW-2D**	EPA 3010	812780	EPA 6010	813453
50384325005	**MW-2S**	EPA 3010	812780	EPA 6010	813453
50384325006	**MW-3S**	EPA 3010	812780	EPA 6010	813453
50384325001	**MW-3I**	EPA 3010	813010	EPA 6010	813251
50384325002	**MW-3D**	EPA 3010	813010	EPA 6010	813251
50384325003	**MW-2I**	EPA 3010	813010	EPA 6010	813251
50384325004	**MW-2D**	EPA 3010	813010	EPA 6010	813251
50384325005	**MW-2S**	EPA 3010	813010	EPA 6010	813251
50384325006	**MW-3S**	EPA 3010	813010	EPA 6010	813251
50384325001	**MW-3I**	EPA 200.2	812858	EPA 6020	813206
50384325002	**MW-3D**	EPA 200.2	812858	EPA 6020	813206
50384325003	**MW-2I**	EPA 200.2	812858	EPA 6020	813206
50384325004	**MW-2D**	EPA 200.2	812858	EPA 6020	813206
50384325005	**MW-2S**	EPA 200.2	812858	EPA 6020	813206
50384325006	**MW-3S**	EPA 200.2	812858	EPA 6020	813206
50384325001	**MW-3I**	EPA 903.1	701950		
50384325002	**MW-3D**	EPA 903.1	701950		
50384325003	**MW-2I**	EPA 903.1	701950		
50384325004	**MW-2D**	EPA 903.1	701950		
50384325005	**MW-2S**	EPA 903.1	701950		
50384325006	**MW-3S**	EPA 903.1	701950		
50384325001	**MW-3I**	EPA 904.0	701951		
50384325002	**MW-3D**	EPA 904.0	701951		
50384325003	**MW-2I**	EPA 904.0	701951		
50384325004	**MW-2D**	EPA 904.0	701951		
50384325005	**MW-2S**	EPA 904.0	701951		
50384325006	**MW-3S**	EPA 904.0	701951		
50384325001	**MW-3I**	Total Radium Calculation	705369		
50384325002	**MW-3D**	Total Radium Calculation	705369		
50384325003	**MW-2I**	Total Radium Calculation	705369		
50384325004	**MW-2D**	Total Radium Calculation	705369		
50384325005	**MW-2S**	Total Radium Calculation	705369		
50384325006	**MW-3S**	Total Radium Calculation	705369		
50384325001	**MW-3I**	SM 2320B	812996		
50384325002	**MW-3D**	SM 2320B	812996		
50384325003	**MW-2I**	SM 2320B	812997		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384325

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384325004	**MW-2D**	SM 2320B	812997		
50384325005	**MW-2S**	SM 2320B	812997		
50384325006	**MW-3S**	SM 2320B	812997		
50384325001	**MW-3I**	SM 2540C	812837		
50384325002	**MW-3D**	SM 2540C	812837		
50384325003	**MW-2I**	SM 2540C	812837		
50384325004	**MW-2D**	SM 2540C	812837		
50384325005	**MW-2S**	SM 2540C	812837		
50384325006	**MW-3S**	SM 2540C	812837		
50384325001	**MW-3I**	SM 4500-H+B	813744		
50384325002	**MW-3D**	SM 4500-H+B	813744		
50384325003	**MW-2I**	SM 4500-H+B	813744		
50384325004	**MW-2D**	SM 4500-H+B	813744		
50384325005	**MW-2S**	SM 4500-H+B	813744		
50384325006	**MW-3S**	SM 4500-H+B	813744		
50384325001	**MW-3I**	EPA 353.2	812772		
50384325002	**MW-3D**	EPA 353.2	812772		
50384325003	**MW-2I**	EPA 353.2	812772		
50384325004	**MW-2D**	EPA 353.2	812772		
50384325005	**MW-2S**	EPA 353.2	812772		
50384325006	**MW-3S**	EPA 353.2	812772		
50384325001	**MW-3I**	SM 5310C	812706		
50384325002	**MW-3D**	SM 5310C	812706		
50384325003	**MW-2I**	SM 5310C	812706		
50384325004	**MW-2D**	SM 5310C	812706		
50384325005	**MW-2S**	SM 5310C	812706		
50384325006	**MW-3S**	SM 5310C	812706		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State): Pace Analytical Indianapolis, 7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384325

50384325

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley October 2024 PIRI	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Std TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
mw-3I	GW	G			10/7/24	10:15	8			X	X	X	X	X	X	X	X	001
mw-3D	GW	G				10:17	8											002
mw-2I	GW	G				11:45	8											003
mw-2D	GW	G				11:55	8											004
mw-2S	GW	G				13:30	8											005
mw-3S	GW	G				13:40	8											006

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**

AcctNum / Client ID:

Table #:

Profile / Template: **10498-62**

Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Mykah Bertram, Connor Eppler

Signature: Mark Breting for M. Bertram, C. Eppler

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
5	C	0.0	see SCUR		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Mark Breting/Atlas	10/8/24 0832	Faith Schilder Pace	10/8/24 8:32	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/8/24 9:10 TS

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

0.3/0.3	0.6/0.6	0.6/0.6	0.4/0.4

3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No (leave blank if no seals were present)

5. **Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 11:50		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Containers Intact?:	✓		Trip Blank Present?		✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Custody Seals?:			✓
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS: 5th cooler temp = 0.3/0.3 TS 10/8

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													1			2	1	2	1	1									SL	✓	/		
2																														✓	✓		
3																														✓	/		
4																														✓	✓		
5																														✓	/		
6																														✓	/		
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

ontainer Codes

Glass

G9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
G9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
G9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
G9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
G9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
G9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
G9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
G9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
GKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
GFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
FU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Dear Mr. Breting:

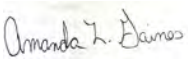
Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384326001	**MW-16S**	Water	10/07/24 15:00	10/08/24 08:32
50384326002	**MW-16D**	Water	10/07/24 15:20	10/08/24 08:32
50384326003	**MW-16I**	Water	10/07/24 16:30	10/08/24 08:32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384326001	**MW-16S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384326002	**MW-16D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384326003	**MW-16I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384326001	**MW-16S**					
EPA 9056	Chloride	161	mg/L	2.5	10/10/24 17:30	
EPA 9056	Fluoride	0.29	mg/L	0.10	10/10/24 17:13	
EPA 9056	Sulfate	139	mg/L	2.5	10/10/24 17:30	
EPA 6010	Boron	223	ug/L	100	10/10/24 16:09	
EPA 6010	Calcium	96300	ug/L	1000	10/10/24 16:09	
EPA 6010	Lithium	37.2	ug/L	20.0	10/10/24 16:09	
EPA 6010	Magnesium	25600	ug/L	1000	10/10/24 16:09	
EPA 6010	Manganese	590	ug/L	10.0	10/10/24 16:09	
EPA 6010	Molybdenum	65.5	ug/L	10.0	10/10/24 16:09	
EPA 6010	Potassium	7570	ug/L	1000	10/10/24 16:09	
EPA 6010	Sodium	105000	ug/L	1000	10/10/24 16:09	
EPA 6010	Molybdenum, Dissolved	67.4	ug/L	10.0	10/11/24 00:59	
EPA 6020	Barium	85.9	ug/L	1.0	10/11/24 07:50	
EPA 903.1	Radium-226	0.245 ± 0.449 (0.802) C:NA T:96%	pCi/L		10/25/24 14:33	
EPA 904.0	Radium-228	-0.0208 ± 0.337 (0.797) C:83% T:77%	pCi/L		10/29/24 14:23	
Total Radium Calculation	Total Radium	0.245 ± 0.786 (1.60)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	249	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	249	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	660	mg/L	10.0	10/09/24 09:45	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 10:55	H3
EPA 353.2	Nitrogen, Nitrate	1.5	mg/L	0.10	10/09/24 00:59	
50384326002	**MW-16D**					
EPA 9056	Chloride	58.5	mg/L	2.5	10/10/24 18:22	
EPA 9056	Fluoride	0.33	mg/L	0.10	10/10/24 18:05	
EPA 9056	Sulfate	54.1	mg/L	2.5	10/10/24 18:22	
EPA 6010	Calcium	65800	ug/L	1000	10/10/24 16:16	
EPA 6010	Iron	917	ug/L	100	10/10/24 16:16	
EPA 6010	Lithium	28.8	ug/L	20.0	10/10/24 16:16	
EPA 6010	Magnesium	18100	ug/L	1000	10/10/24 16:16	
EPA 6010	Manganese	155	ug/L	10.0	10/10/24 16:16	
EPA 6010	Molybdenum	34.0	ug/L	10.0	10/10/24 16:16	
EPA 6010	Potassium	6540	ug/L	1000	10/10/24 16:16	
EPA 6010	Sodium	53800	ug/L	1000	10/10/24 16:16	
EPA 6010	Molybdenum, Dissolved	36.7	ug/L	10.0	10/11/24 01:01	
EPA 6020	Arsenic	4.0	ug/L	1.0	10/11/24 07:54	
EPA 6020	Barium	65.9	ug/L	1.0	10/11/24 07:54	
EPA 903.1	Radium-226	0.609 ± 0.718 (1.18) C:NA T:84%	pCi/L		10/25/24 14:33	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384326002	**MW-16D**					
EPA 904.0	Radium-228	0.202 ± 0.337 (0.734) C:86% T:82%	pCi/L		10/29/24 14:23	
Total Radium Calculation	Total Radium	0.811 ± 1.06 (1.91)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	240	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	225	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Carbonate (CaCO3)	14.8	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	400	mg/L	10.0	10/09/24 09:46	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/15/24 10:56	H3
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	10/10/24 23:50	
50384326003	**MW-16I**					
EPA 9056	Chloride	110	mg/L	2.5	10/10/24 19:15	
EPA 9056	Fluoride	0.30	mg/L	0.10	10/10/24 18:57	
EPA 9056	Sulfate	93.9	mg/L	2.5	10/10/24 19:15	
EPA 6010	Boron	155	ug/L	100	10/10/24 16:18	
EPA 6010	Calcium	73100	ug/L	1000	10/10/24 16:18	
EPA 6010	Lithium	44.0	ug/L	20.0	10/10/24 16:18	
EPA 6010	Magnesium	22600	ug/L	1000	10/10/24 16:18	
EPA 6010	Manganese	91.1	ug/L	10.0	10/10/24 16:18	
EPA 6010	Molybdenum	98.3	ug/L	10.0	10/10/24 16:18	
EPA 6010	Potassium	7180	ug/L	1000	10/10/24 16:18	
EPA 6010	Sodium	76700	ug/L	1000	10/10/24 16:18	
EPA 6010	Molybdenum, Dissolved	104	ug/L	10.0	10/11/24 01:07	
EPA 6020	Barium	72.1	ug/L	1.0	10/11/24 08:04	
EPA 903.1	Radium-226	0.282 ± 0.677 (1.23) C:NA T:91%	pCi/L		10/25/24 14:33	
EPA 904.0	Radium-228	0.373 ± 0.339 (0.685) C:84% T:83%	pCi/L		10/29/24 14:23	
Total Radium Calculation	Total Radium	0.655 ± 1.02 (1.92)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	229	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	218	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Carbonate (CaCO3)	11.2	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	527	mg/L	10.0	10/09/24 09:46	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 14:50	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16S **Lab ID: 50384326001** Collected: 10/07/24 15:00 Received: 10/08/24 08:32 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**161**	mg/L	2.5	1.3	10		10/10/24 17:30	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.016	1		10/10/24 17:13	16984-48-8	
Sulfate	**139**	mg/L	2.5	1.9	10		10/10/24 17:30	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**223**	ug/L	100	5.6	1	10/10/24 07:38	10/10/24 16:09	7440-42-8	
Calcium	**96300**	ug/L	1000	83.9	1	10/10/24 07:38	10/10/24 16:09	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/10/24 07:38	10/10/24 16:09	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/10/24 07:38	10/10/24 16:09	7439-92-1	
Lithium	**37.2**	ug/L	20.0	3.8	1	10/10/24 07:38	10/10/24 16:09	7439-93-2	
Magnesium	**25600**	ug/L	1000	53.7	1	10/10/24 07:38	10/10/24 16:09	7439-95-4	
Manganese	**590**	ug/L	10.0	0.77	1	10/10/24 07:38	10/10/24 16:09	7439-96-5	
Molybdenum	**65.5**	ug/L	10.0	1.4	1	10/10/24 07:38	10/10/24 16:09	7439-98-7	
Potassium	**7570**	ug/L	1000	113	1	10/10/24 07:38	10/10/24 16:09	7440-09-7	
Sodium	**105000**	ug/L	1000	95.0	1	10/10/24 07:38	10/10/24 16:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**67.4**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 00:59	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:50	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:50	7440-38-2	
Barium	**85.9**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:50	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:50	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:50	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**249**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**249**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**660**	mg/L	10.0	10.0	1		10/09/24 09:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 10:55		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16S **Lab ID: 50384326001** Collected: 10/07/24 15:00 Received: 10/08/24 08:32 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.5**	mg/L	0.10	0.013	1		10/09/24 00:59	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/10/24 23:31		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16D **Lab ID: 50384326002** Collected: 10/07/24 15:20 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**58.5**	mg/L	2.5	1.3	10		10/10/24 18:22	16887-00-6	
Fluoride	**0.33**	mg/L	0.10	0.016	1		10/10/24 18:05	16984-48-8	
Sulfate	**54.1**	mg/L	2.5	1.9	10		10/10/24 18:22	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/10/24 07:38	10/10/24 16:16	7440-42-8	
Calcium	**65800**	ug/L	1000	83.9	1	10/10/24 07:38	10/10/24 16:16	7440-70-2	
Iron	**917**	ug/L	100	41.0	1	10/10/24 07:38	10/10/24 16:16	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/10/24 07:38	10/10/24 16:16	7439-92-1	
Lithium	**28.8**	ug/L	20.0	3.8	1	10/10/24 07:38	10/10/24 16:16	7439-93-2	
Magnesium	**18100**	ug/L	1000	53.7	1	10/10/24 07:38	10/10/24 16:16	7439-95-4	
Manganese	**155**	ug/L	10.0	0.77	1	10/10/24 07:38	10/10/24 16:16	7439-96-5	
Molybdenum	**34.0**	ug/L	10.0	1.4	1	10/10/24 07:38	10/10/24 16:16	7439-98-7	
Potassium	**6540**	ug/L	1000	113	1	10/10/24 07:38	10/10/24 16:16	7440-09-7	
Sodium	**53800**	ug/L	1000	95.0	1	10/10/24 07:38	10/10/24 16:16	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**36.7**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 01:01	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 07:54	7440-36-0	
Arsenic	**4.0**	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 07:54	7440-38-2	
Barium	**65.9**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 07:54	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 07:54	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 07:54	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**240**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**225**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	**14.8**	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**400**	mg/L	10.0	10.0	1		10/09/24 09:46		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/15/24 10:56		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16D **Lab ID: 50384326002** Collected: 10/07/24 15:20 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/09/24 00:36	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.25	1		10/10/24 23:50		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16I **Lab ID: 50384326003** Collected: 10/07/24 16:30 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**110**	mg/L	2.5	1.3	10		10/10/24 19:15	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.016	1		10/10/24 18:57	16984-48-8	
Sulfate	**93.9**	mg/L	2.5	1.9	10		10/10/24 19:15	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**155**	ug/L	100	5.6	1	10/10/24 07:38	10/10/24 16:18	7440-42-8	
Calcium	**73100**	ug/L	1000	83.9	1	10/10/24 07:38	10/10/24 16:18	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/10/24 07:38	10/10/24 16:18	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/10/24 07:38	10/10/24 16:18	7439-92-1	
Lithium	**44.0**	ug/L	20.0	3.8	1	10/10/24 07:38	10/10/24 16:18	7439-93-2	
Magnesium	**22600**	ug/L	1000	53.7	1	10/10/24 07:38	10/10/24 16:18	7439-95-4	
Manganese	**91.1**	ug/L	10.0	0.77	1	10/10/24 07:38	10/10/24 16:18	7439-96-5	
Molybdenum	**98.3**	ug/L	10.0	1.4	1	10/10/24 07:38	10/10/24 16:18	7439-98-7	
Potassium	**7180**	ug/L	1000	113	1	10/10/24 07:38	10/10/24 16:18	7440-09-7	
Sodium	**76700**	ug/L	1000	95.0	1	10/10/24 07:38	10/10/24 16:18	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**104**	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 01:07	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 08:04	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 08:04	7440-38-2	
Barium	**72.1**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 08:04	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 08:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 08:04	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**229**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**218**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	**11.2**	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**527**	mg/L	10.0	10.0	1		10/09/24 09:46		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 14:50		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16I **Lab ID: 50384326003** Collected: 10/07/24 16:30 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/09/24 00:40	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/11/24 00:10		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 812934
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3718622 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/09/24 23:56	
Fluoride	mg/L	ND	0.10	0.016	10/09/24 23:56	
Sulfate	mg/L	ND	0.25	0.19	10/09/24 23:56	

LABORATORY CONTROL SAMPLE: 3718623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	1.0	100	80-120	
Sulfate	mg/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718624 3718625

Parameter	Units	50384222001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.5	2.5	2.5	8.0	8.0	99	100	80-120	0	15	
Fluoride	mg/L	2.1	1	1	3.2	3.2	109	108	80-120	0	15	
Sulfate	mg/L	44.1	50	50	91.5	91.6	95	95	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 813000
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3718936 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/10/24 15:49	
Calcium	ug/L	ND	1000	83.9	10/10/24 15:49	
Iron	ug/L	ND	100	41.0	10/10/24 15:49	
Lead	ug/L	ND	10.0	2.0	10/10/24 15:49	
Lithium	ug/L	ND	20.0	3.8	10/10/24 15:49	
Magnesium	ug/L	ND	1000	53.7	10/10/24 15:49	
Manganese	ug/L	ND	10.0	0.77	10/10/24 15:49	
Molybdenum	ug/L	ND	10.0	1.4	10/10/24 15:49	
Potassium	ug/L	ND	1000	113	10/10/24 15:49	
Sodium	ug/L	ND	1000	95.0	10/10/24 15:49	

LABORATORY CONTROL SAMPLE: 3718937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	959	96	80-120	
Calcium	ug/L	10000	9700	97	80-120	
Iron	ug/L	10000	9790	98	80-120	
Lead	ug/L	1000	943	94	80-120	
Lithium	ug/L	1000	990	99	80-120	
Magnesium	ug/L	10000	9670	97	80-120	
Manganese	ug/L	1000	980	98	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	9610	96	80-120	
Sodium	ug/L	10000	9390	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718938 3718939

Parameter	Units	50384341001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	250	1000	1000	1200	1240	95	99	75-125	3	20	
Calcium	ug/L	229000	10000	10000	236000	236000	64	63	75-125	0	20	P6
Iron	ug/L	4280	10000	10000	13500	13800	92	95	75-125	2	20	
Lead	ug/L	ND	1000	1000	881	891	88	89	75-125	1	20	
Lithium	ug/L	23.7	1000	1000	965	996	94	97	75-125	3	20	
Magnesium	ug/L	69500	10000	10000	75300	77500	59	80	75-125	3	20	P6
Manganese	ug/L	1550	1000	1000	2400	2460	85	92	75-125	3	20	
Molybdenum	ug/L	ND	1000	1000	1010	1030	101	103	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718938 3718939

Parameter	Units	50384341001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	12800	10000	10000	21800	22400	89	96	75-125	3	20	
Sodium	ug/L	39900	10000	10000	47400	48600	75	87	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 813010
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3718970 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/11/24 00:16	

LABORATORY CONTROL SAMPLE: 3718971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718972 3718973

Parameter	Units	50384325001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	41.5	1000	1000	1100	1110	106	107	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 812858
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3718193 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/11/24 06:56	
Arsenic	ug/L	ND	1.0	0.080	10/11/24 06:56	
Barium	ug/L	ND	1.0	0.11	10/11/24 06:56	
Cobalt	ug/L	ND	1.0	0.045	10/11/24 06:56	
Selenium	ug/L	ND	1.0	0.26	10/11/24 06:56	

LABORATORY CONTROL SAMPLE: 3718194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.8	107	80-120	
Arsenic	ug/L	40	38.3	96	80-120	
Barium	ug/L	40	38.9	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	38.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718195 3718196

Parameter	Units	50384325006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.1	43.5	107	108	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.5	38.2	96	95	75-125	1	20	
Barium	ug/L	81.4	40	40	121	118	99	91	75-125	3	20	
Cobalt	ug/L	ND	40	40	37.8	37.4	94	93	75-125	1	20	
Selenium	ug/L	ND	40	40	39.1	38.6	96	95	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 812997
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3718910 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/10/24 01:14	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/10/24 01:14	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/10/24 01:14	

LABORATORY CONTROL SAMPLE: 3718911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.1	94	90-110	

SAMPLE DUPLICATE: 3718912

Parameter	Units	50384306001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	175	178	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	160	162	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	15.6	15.2	3	20	

SAMPLE DUPLICATE: 3718913

Parameter	Units	50384325003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	235	239	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	235	239	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 812837
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3718131 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/09/24 09:40	

LABORATORY CONTROL SAMPLE: 3718132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	286	95	80-120	

SAMPLE DUPLICATE: 3718133

Parameter	Units	50384222001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	250	225	11	10	R1

SAMPLE DUPLICATE: 3718134

Parameter	Units	50384222003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	283	271	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 813744
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002

SAMPLE DUPLICATE: 3722440

Parameter	Units	50384143003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3722441

Parameter	Units	50384222001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 813751
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50384326003

SAMPLE DUPLICATE: 3722458

Parameter	Units	50384397002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3722459

Parameter	Units	50384474001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 812773
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3717948 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/09/24 00:23	

LABORATORY CONTROL SAMPLE: 3717949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	0.99	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717950 3717951

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	5.9	5	5	10.9	10.9	99	100	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 812706
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3717527 Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/10/24 16:55	

LABORATORY CONTROL SAMPLE: 3717528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717529 3717530

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.6	101	104	80-120	3	15	

MATRIX SPIKE SAMPLE: 3717531

Parameter	Units	50384145001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	10.5	101	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16S **Lab ID: 50384326001** Collected: 10/07/24 15:00 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.245 ± 0.449 (0.802) C:NA T:96%**	pCi/L	10/25/24 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.0208 ± 0.337 (0.797) C:83% T:77%**	pCi/L	10/29/24 14:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.245 ± 0.786 (1.60)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16D **Lab ID: 50384326002** Collected: 10/07/24 15:20 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.609 ± 0.718 (1.18) C:NA T:84%**	pCi/L	10/25/24 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.202 ± 0.337 (0.734) C:86% T:82%**	pCi/L	10/29/24 14:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.811 ± 1.06 (1.91)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Sample: MW-16I **Lab ID: 50384326003** Collected: 10/07/24 16:30 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.282 ± 0.677 (1.23) C:NA T:91%**	pCi/L	10/25/24 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.373 ± 0.339 (0.685) C:84% T:83%**	pCi/L	10/29/24 14:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.655 ± 1.02 (1.92)**	pCi/L	10/31/24 08:23	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 702737
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3422445
Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.101 ± 0.293 (0.660) C:83% T:89%	pCi/L	10/29/24 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

QC Batch: 702736
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384326001, 50384326002, 50384326003

METHOD BLANK: 3422444
Matrix: Water
Associated Lab Samples: 50384326001, 50384326002, 50384326003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.189 ± 0.293 (0.508) C:NA T:95%	pCi/L	10/25/24 14:08	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50384326

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384326001	**MW-16S**	EPA 9056	812934		
50384326002	**MW-16D**	EPA 9056	812934		
50384326003	**MW-16I**	EPA 9056	812934		
50384326001	**MW-16S**	EPA 3010	813000	EPA 6010	813198
50384326002	**MW-16D**	EPA 3010	813000	EPA 6010	813198
50384326003	**MW-16I**	EPA 3010	813000	EPA 6010	813198
50384326001	**MW-16S**	EPA 3010	813010	EPA 6010	813251
50384326002	**MW-16D**	EPA 3010	813010	EPA 6010	813251
50384326003	**MW-16I**	EPA 3010	813010	EPA 6010	813251
50384326001	**MW-16S**	EPA 200.2	812858	EPA 6020	813206
50384326002	**MW-16D**	EPA 200.2	812858	EPA 6020	813206
50384326003	**MW-16I**	EPA 200.2	812858	EPA 6020	813206
50384326001	**MW-16S**	EPA 903.1	702736		
50384326002	**MW-16D**	EPA 903.1	702736		
50384326003	**MW-16I**	EPA 903.1	702736		
50384326001	**MW-16S**	EPA 904.0	702737		
50384326002	**MW-16D**	EPA 904.0	702737		
50384326003	**MW-16I**	EPA 904.0	702737		
50384326001	**MW-16S**	Total Radium Calculation	706453		
50384326002	**MW-16D**	Total Radium Calculation	706453		
50384326003	**MW-16I**	Total Radium Calculation	706453		
50384326001	**MW-16S**	SM 2320B	812997		
50384326002	**MW-16D**	SM 2320B	812997		
50384326003	**MW-16I**	SM 2320B	812997		
50384326001	**MW-16S**	SM 2540C	812837		
50384326002	**MW-16D**	SM 2540C	812837		
50384326003	**MW-16I**	SM 2540C	812837		
50384326001	**MW-16S**	SM 4500-H+B	813744		
50384326002	**MW-16D**	SM 4500-H+B	813744		
50384326003	**MW-16I**	SM 4500-H+B	813751		
50384326001	**MW-16S**	EPA 353.2	812773		
50384326002	**MW-16D**	EPA 353.2	812773		
50384326003	**MW-16I**	EPA 353.2	812773		
50384326001	**MW-16S**	SM 5310C	812706		
50384326002	**MW-16D**	SM 5310C	812706		
50384326003	**MW-16I**	SM 5310C	812706		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384326

50384326

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley October 2024 PIR2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: std TAT

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-16S	GW	G			10/7/24	15:00	8			X	X	X	X	X	X	X	X	001
MW-16D	GW	G			↓	15:20	8			↓	↓	↓	↓	↓	↓	↓	↓	002
MW-16I	GW	G			↓	16:30	8			↓	↓	↓	↓	↓	↓	↓	↓	003

*** Preservation Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Lab Use Only
Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Mykah Bertram Connor Epler
Signature: Mark Breting for/ M. Bertram

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
5	C	0.0	see SCUR		4

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Mark Breting /Atlas	10/8/24 0832	Connor Epler Pace	10/8/24 8.32

Tracking Number:

Delivered by: [✓] In- Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/8/24 9:10 TS

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

0.3/0.3	0.6/0.6	0.6/0.6	0.4/0.4

3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**

5. **Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 11:30	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS: 5th cooler temp = 0.3/0.3 TS 1018

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													1			2	1	2	1	1									SL	✓	✓		
2													1			1	1	1	1	1									1	✓	✓		
3													↓			↓	↓	↓	↓	↓									↓	✓	✓		
4													~~3~~																				
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

G9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
G9P	40mL TSP amber vial	BG1U	1L unpreserved glass
G9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
G9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
G9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
G9H	40mL HCl clear vial	AG1H	1L HCl amber glass
G9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
G9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
/GKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
/GFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
GFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
G3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
G3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
G1H	1L HCl clear glass	AG3U	250mL unpres amber glass
G1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Dear Mr. Breting:

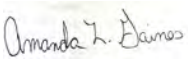
Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384327001	**MW-19S**	Water	10/07/24 10:22	10/08/24 08:32
50384327002	**MW-21S**	Water	10/07/24 12:10	10/08/24 08:32
50384327003	**MW-21I**	Water	10/07/24 14:32	10/08/24 08:32
50384327004	**MW-21D**	Water	10/07/24 16:00	10/08/24 08:32

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384327001	**MW-19S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384327002	**MW-21S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384327003	**MW-21I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384327004	**MW-21D**	EPA 9056	DMP1	3	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384327001	**MW-19S**					
EPA 9056	Chloride	22.8	mg/L	2.5	10/16/24 02:54	
EPA 9056	Sulfate	20.1	mg/L	0.25	10/11/24 18:09	
EPA 6010	Calcium	92700	ug/L	1000	10/10/24 16:20	
EPA 6010	Iron	122	ug/L	100	10/10/24 16:20	
EPA 6010	Magnesium	23400	ug/L	1000	10/10/24 16:20	
EPA 6010	Manganese	23.4	ug/L	10.0	10/10/24 16:20	
EPA 6010	Potassium	1990	ug/L	1000	10/10/24 16:20	
EPA 6010	Sodium	10200	ug/L	1000	10/10/24 16:20	
EPA 6020	Barium	26.8	ug/L	1.0	10/11/24 08:07	
EPA 903.1	Radium-226	0.131 ± 0.653 (1.23) C:NA T:93%	pCi/L		10/23/24 15:17	
EPA 904.0	Radium-228	0.222 ± 0.329 (0.709) C:84% T:86%	pCi/L		10/22/24 15:11	
Total Radium Calculation	Total Radium	0.353 ± 0.982 (1.94)	pCi/L		10/24/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	276	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	261	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Carbonate (CaCO3)	14.4	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	331	mg/L	10.0	10/09/24 09:46	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 14:33	H3
EPA 353.2	Nitrogen, Nitrate	7.1	mg/L	0.50	10/09/24 00:49	
50384327002	**MW-21S**					
EPA 9056	Chloride	44.4	mg/L	2.5	10/11/24 19:14	
EPA 9056	Fluoride	0.19	mg/L	0.10	10/11/24 18:57	
EPA 9056	Sulfate	31.9	mg/L	0.25	10/11/24 18:57	
EPA 6010	Calcium	62800	ug/L	1000	10/10/24 16:22	
EPA 6010	Magnesium	18400	ug/L	1000	10/10/24 16:22	
EPA 6010	Manganese	393	ug/L	10.0	10/10/24 16:22	
EPA 6010	Potassium	2890	ug/L	1000	10/10/24 16:22	
EPA 6010	Sodium	35200	ug/L	1000	10/10/24 16:22	
EPA 6020	Barium	28.0	ug/L	1.0	10/11/24 08:11	
EPA 903.1	Radium-226	0.677 ± 0.569 (0.847) C:NA T:88%	pCi/L		10/23/24 15:17	
EPA 904.0	Radium-228	0.438 ± 0.365 (0.729) C:83% T:84%	pCi/L		10/22/24 15:11	
Total Radium Calculation	Total Radium	1.12 ± 0.934 (1.58)	pCi/L		10/24/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	219	mg/L	10.0	10/10/24 01:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384327002	**MW-21S**					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	203	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Carbonate (CaCO3)	16.0	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	316	mg/L	10.0	10/09/24 09:47	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/15/24 14:41	H3
EPA 353.2	Nitrogen, Nitrate	0.87	mg/L	0.10	10/09/24 00:03	
50384327003	**MW-21I**					
EPA 9056	Chloride	24.4	mg/L	0.25	10/11/24 20:04	
EPA 9056	Sulfate	31.5	mg/L	0.25	10/11/24 20:04	
EPA 6010	Calcium	93000	ug/L	1000	10/10/24 16:25	
EPA 6010	Iron	254	ug/L	100	10/10/24 16:25	
EPA 6010	Magnesium	27700	ug/L	1000	10/10/24 16:25	
EPA 6010	Manganese	127	ug/L	10.0	10/10/24 16:25	
EPA 6010	Potassium	1830	ug/L	1000	10/10/24 16:25	
EPA 6010	Sodium	11100	ug/L	1000	10/10/24 16:25	
EPA 6020	Barium	91.3	ug/L	1.0	10/11/24 08:14	
EPA 6020	Selenium	7.0	ug/L	1.0	10/11/24 08:14	
EPA 903.1	Radium-226	0.519 ± 0.469 (0.692) C:NA T:93%	pCi/L		10/23/24 15:17	
EPA 904.0	Radium-228	0.301 ± 0.313 (0.643) C:76% T:87%	pCi/L		10/22/24 15:11	
Total Radium Calculation	Total Radium	0.820 ± 0.782 (1.34)	pCi/L		10/24/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	286	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	275	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Carbonate (CaCO3)	10.8	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	362	mg/L	10.0	10/09/24 09:47	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	10/15/24 14:48	H3
EPA 353.2	Nitrogen, Nitrate	7.8	mg/L	0.50	10/09/24 00:53	
50384327004	**MW-21D**					
EPA 9056	Chloride	40.7	mg/L	2.5	10/11/24 21:11	
EPA 9056	Sulfate	199	mg/L	2.5	10/11/24 21:11	
EPA 6010	Boron	307	ug/L	100	10/10/24 16:27	
EPA 6010	Calcium	131000	ug/L	1000	10/10/24 16:27	
EPA 6010	Iron	4200	ug/L	100	10/10/24 16:27	
EPA 6010	Magnesium	30100	ug/L	1000	10/10/24 16:27	
EPA 6010	Manganese	384	ug/L	10.0	10/10/24 16:27	
EPA 6010	Potassium	3250	ug/L	1000	10/10/24 16:27	
EPA 6010	Sodium	36800	ug/L	1000	10/10/24 16:27	
EPA 6020	Arsenic	4.9	ug/L	1.0	10/11/24 08:24	
EPA 6020	Barium	33.8	ug/L	1.0	10/11/24 08:24	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384327004	**MW-21D**					
EPA 903.1	Radium-226	0.358 ± 0.740 (1.30) C:NA T:86%	pCi/L		10/23/24 15:17	
EPA 904.0	Radium-228	0.337 ± 0.306 (0.617) C:82% T:92%	pCi/L		10/22/24 15:11	
Total Radium Calculation	Total Radium	0.695 ± 1.05 (1.92)	pCi/L		10/24/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	273	mg/L	10.0	10/10/24 01:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	10.0	10/10/24 01:14	
SM 2540C	Total Dissolved Solids	562	mg/L	10.0	10/10/24 09:22	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/15/24 14:49	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-19S **Lab ID: 50384327001** Collected: 10/07/24 10:22 Received: 10/08/24 08:32 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**22.8**	mg/L	2.5	1.3	10		10/16/24 02:54	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/11/24 18:09	16984-48-8	
Sulfate	**20.1**	mg/L	0.25	0.19	1		10/11/24 18:09	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/10/24 07:38	10/10/24 16:20	7440-42-8	
Calcium	**92700**	ug/L	1000	83.9	1	10/10/24 07:38	10/10/24 16:20	7440-70-2	
Iron	**122**	ug/L	100	41.0	1	10/10/24 07:38	10/10/24 16:20	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/10/24 07:38	10/10/24 16:20	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/10/24 07:38	10/10/24 16:20	7439-93-2	
Magnesium	**23400**	ug/L	1000	53.7	1	10/10/24 07:38	10/10/24 16:20	7439-95-4	
Manganese	**23.4**	ug/L	10.0	0.77	1	10/10/24 07:38	10/10/24 16:20	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/10/24 16:20	7439-98-7	
Potassium	**1990**	ug/L	1000	113	1	10/10/24 07:38	10/10/24 16:20	7440-09-7	
Sodium	**10200**	ug/L	1000	95.0	1	10/10/24 07:38	10/10/24 16:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 01:09	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 08:07	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 08:07	7440-38-2	
Barium	**26.8**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 08:07	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 08:07	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 08:07	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**276**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**261**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	**14.4**	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**331**	mg/L	10.0	10.0	1		10/09/24 09:46		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 14:33		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-19S **Lab ID: 50384327001** Collected: 10/07/24 10:22 Received: 10/08/24 08:32 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**7.1**	mg/L	0.50	0.065	5		10/09/24 00:49	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/11/24 00:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21S **Lab ID: 50384327002** Collected: 10/07/24 12:10 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**44.4**	mg/L	2.5	1.3	10		10/11/24 19:14	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.016	1		10/11/24 18:57	16984-48-8	
Sulfate	**31.9**	mg/L	0.25	0.19	1		10/11/24 18:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/10/24 07:38	10/10/24 16:22	7440-42-8	
Calcium	**62800**	ug/L	1000	83.9	1	10/10/24 07:38	10/10/24 16:22	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/10/24 07:38	10/10/24 16:22	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/10/24 07:38	10/10/24 16:22	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/10/24 07:38	10/10/24 16:22	7439-93-2	
Magnesium	**18400**	ug/L	1000	53.7	1	10/10/24 07:38	10/10/24 16:22	7439-95-4	
Manganese	**393**	ug/L	10.0	0.77	1	10/10/24 07:38	10/10/24 16:22	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/10/24 16:22	7439-98-7	
Potassium	**2890**	ug/L	1000	113	1	10/10/24 07:38	10/10/24 16:22	7440-09-7	
Sodium	**35200**	ug/L	1000	95.0	1	10/10/24 07:38	10/10/24 16:22	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 01:11	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 08:11	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 08:11	7440-38-2	
Barium	**28.0**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 08:11	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 08:11	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 08:11	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**219**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**203**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	**16.0**	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**316**	mg/L	10.0	10.0	1		10/09/24 09:47		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/15/24 14:41		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21S **Lab ID: 50384327002** Collected: 10/07/24 12:10 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.87**	mg/L	0.10	0.013	1		10/09/24 00:03	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/11/24 01:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21I **Lab ID: 50384327003** Collected: 10/07/24 14:32 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**24.4**	mg/L	0.25	0.13	1		10/11/24 20:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/11/24 20:04	16984-48-8	
Sulfate	**31.5**	mg/L	0.25	0.19	1		10/11/24 20:04	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/10/24 07:38	10/10/24 16:25	7440-42-8	
Calcium	**93000**	ug/L	1000	83.9	1	10/10/24 07:38	10/10/24 16:25	7440-70-2	
Iron	**254**	ug/L	100	41.0	1	10/10/24 07:38	10/10/24 16:25	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/10/24 07:38	10/10/24 16:25	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/10/24 07:38	10/10/24 16:25	7439-93-2	
Magnesium	**27700**	ug/L	1000	53.7	1	10/10/24 07:38	10/10/24 16:25	7439-95-4	
Manganese	**127**	ug/L	10.0	0.77	1	10/10/24 07:38	10/10/24 16:25	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/10/24 16:25	7439-98-7	
Potassium	**1830**	ug/L	1000	113	1	10/10/24 07:38	10/10/24 16:25	7440-09-7	
Sodium	**11100**	ug/L	1000	95.0	1	10/10/24 07:38	10/10/24 16:25	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 01:13	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 08:14	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 08:14	7440-38-2	
Barium	**91.3**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 08:14	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 08:14	7440-48-4	
Selenium	**7.0**	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 08:14	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**286**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**275**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	**10.8**	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**362**	mg/L	10.0	10.0	1		10/09/24 09:47		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		10/15/24 14:48		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21I **Lab ID: 50384327003** Collected: 10/07/24 14:32 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**7.8**	mg/L	0.50	0.065	5		10/09/24 00:53	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/11/24 01:59		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21D **Lab ID: 50384327004** Collected: 10/07/24 16:00 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**40.7**	mg/L	2.5	1.3	10		10/11/24 21:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/11/24 20:55	16984-48-8	
Sulfate	**199**	mg/L	2.5	1.9	10		10/11/24 21:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**307**	ug/L	100	5.6	1	10/10/24 07:38	10/10/24 16:27	7440-42-8	
Calcium	**131000**	ug/L	1000	83.9	1	10/10/24 07:38	10/10/24 16:27	7440-70-2	
Iron	**4200**	ug/L	100	41.0	1	10/10/24 07:38	10/10/24 16:27	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/10/24 07:38	10/10/24 16:27	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/10/24 07:38	10/10/24 16:27	7439-93-2	
Magnesium	**30100**	ug/L	1000	53.7	1	10/10/24 07:38	10/10/24 16:27	7439-95-4	
Manganese	**384**	ug/L	10.0	0.77	1	10/10/24 07:38	10/10/24 16:27	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/10/24 16:27	7439-98-7	
Potassium	**3250**	ug/L	1000	113	1	10/10/24 07:38	10/10/24 16:27	7440-09-7	
Sodium	**36800**	ug/L	1000	95.0	1	10/10/24 07:38	10/10/24 16:27	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/10/24 07:38	10/11/24 01:15	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:46	10/11/24 08:24	7440-36-0	
Arsenic	**4.9**	ug/L	1.0	0.080	1	10/10/24 07:46	10/11/24 08:24	7440-38-2	
Barium	**33.8**	ug/L	1.0	0.11	1	10/10/24 07:46	10/11/24 08:24	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:46	10/11/24 08:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/10/24 07:46	10/11/24 08:24	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**273**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Bicarbonate (CaCO3)	**273**	mg/L	10.0	10.0	1		10/10/24 01:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/10/24 01:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**562**	mg/L	10.0	10.0	1		10/10/24 09:22		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/15/24 14:49		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21D **Lab ID: 50384327004** Collected: 10/07/24 16:00 Received: 10/08/24 08:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/09/24 00:38	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/11/24 02:19		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 812970
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3718819 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/11/24 09:05	
Fluoride	mg/L	ND	0.10	0.016	10/11/24 09:05	
Sulfate	mg/L	ND	0.25	0.19	10/11/24 09:05	

LABORATORY CONTROL SAMPLE: 3718820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.2	90	80-120	
Fluoride	mg/L	1	0.93	93	80-120	
Sulfate	mg/L	5	4.5	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718831 3718832

Parameter	Units	50384327001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.8	25	25	45.3	45.3	90	90	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.0	1.0	94	94	80-120	1	15	
Sulfate	mg/L	20.1	5	5	25.0	25.0	98	97	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 813000
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3718936 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/10/24 15:49	
Calcium	ug/L	ND	1000	83.9	10/10/24 15:49	
Iron	ug/L	ND	100	41.0	10/10/24 15:49	
Lead	ug/L	ND	10.0	2.0	10/10/24 15:49	
Lithium	ug/L	ND	20.0	3.8	10/10/24 15:49	
Magnesium	ug/L	ND	1000	53.7	10/10/24 15:49	
Manganese	ug/L	ND	10.0	0.77	10/10/24 15:49	
Molybdenum	ug/L	ND	10.0	1.4	10/10/24 15:49	
Potassium	ug/L	ND	1000	113	10/10/24 15:49	
Sodium	ug/L	ND	1000	95.0	10/10/24 15:49	

LABORATORY CONTROL SAMPLE: 3718937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	959	96	80-120	
Calcium	ug/L	10000	9700	97	80-120	
Iron	ug/L	10000	9790	98	80-120	
Lead	ug/L	1000	943	94	80-120	
Lithium	ug/L	1000	990	99	80-120	
Magnesium	ug/L	10000	9670	97	80-120	
Manganese	ug/L	1000	980	98	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	9610	96	80-120	
Sodium	ug/L	10000	9390	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718938 3718939

Parameter	Units	50384341001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	250	1000	1000	1200	1240	95	99	75-125	3	20	
Calcium	ug/L	229000	10000	10000	236000	236000	64	63	75-125	0	20	P6
Iron	ug/L	4280	10000	10000	13500	13800	92	95	75-125	2	20	
Lead	ug/L	ND	1000	1000	881	891	88	89	75-125	1	20	
Lithium	ug/L	23.7	1000	1000	965	996	94	97	75-125	3	20	
Magnesium	ug/L	69500	10000	10000	75300	77500	59	80	75-125	3	20	P6
Manganese	ug/L	1550	1000	1000	2400	2460	85	92	75-125	3	20	
Molybdenum	ug/L	ND	1000	1000	1010	1030	101	103	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718938 3718939

Parameter	Units	50384341001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	12800	10000	10000	21800	22400	89	96	75-125	3	20	
Sodium	ug/L	39900	10000	10000	47400	48600	75	87	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 813010
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3718970 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/11/24 00:16	

LABORATORY CONTROL SAMPLE: 3718971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718972 3718973

Parameter	Units	50384325001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	41.5	1000	1000	1100	1110	106	107	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 812858
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3718193 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/11/24 06:56	
Arsenic	ug/L	ND	1.0	0.080	10/11/24 06:56	
Barium	ug/L	ND	1.0	0.11	10/11/24 06:56	
Cobalt	ug/L	ND	1.0	0.045	10/11/24 06:56	
Selenium	ug/L	ND	1.0	0.26	10/11/24 06:56	

LABORATORY CONTROL SAMPLE: 3718194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.8	107	80-120	
Arsenic	ug/L	40	38.3	96	80-120	
Barium	ug/L	40	38.9	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	38.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718195 3718196

Parameter	Units	50384325006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.1	43.5	107	108	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.5	38.2	96	95	75-125	1	20	
Barium	ug/L	81.4	40	40	121	118	99	91	75-125	3	20	
Cobalt	ug/L	ND	40	40	37.8	37.4	94	93	75-125	1	20	
Selenium	ug/L	ND	40	40	39.1	38.6	96	95	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 812997 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3718910 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/10/24 01:14	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/10/24 01:14	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/10/24 01:14	

LABORATORY CONTROL SAMPLE: 3718911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.1	94	90-110	

SAMPLE DUPLICATE: 3718912

Parameter	Units	50384306001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	175	178	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	160	162	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	15.6	15.2	3	20	

SAMPLE DUPLICATE: 3718913

Parameter	Units	50384325003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	235	239	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	235	239	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 812837 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003

METHOD BLANK: 3718131 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/09/24 09:40	

LABORATORY CONTROL SAMPLE: 3718132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	286	95	80-120	

SAMPLE DUPLICATE: 3718133

Parameter	Units	50384222001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	250	225	11	10	R1

SAMPLE DUPLICATE: 3718134

Parameter	Units	50384222003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	283	271	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 813055
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327004

METHOD BLANK: 3719081 Matrix: Water
Associated Lab Samples: 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/10/24 09:21	

LABORATORY CONTROL SAMPLE: 3719082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	268	89	80-120	

SAMPLE DUPLICATE: 3719083

Parameter	Units	50384327004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	562	599	6	10	

SAMPLE DUPLICATE: 3719084

Parameter	Units	50384334001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	186	197	6	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 813751
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

SAMPLE DUPLICATE: 3722458

Parameter	Units	50384397002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3722459

Parameter	Units	50384474001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 812772
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002

METHOD BLANK: 3717943 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/08/24 23:30	

LABORATORY CONTROL SAMPLE: 3717944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717945 3717946

Parameter	Units	50384324003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	1.9	1	1	2.9	2.9	100	100	90-110	0	20	

MATRIX SPIKE SAMPLE: 3717947

Parameter	Units	50384325005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1	2.1	102	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 812773
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327003, 50384327004

METHOD BLANK: 3717948 Matrix: Water
Associated Lab Samples: 50384327003, 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/09/24 00:23	

LABORATORY CONTROL SAMPLE: 3717949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	0.99	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717950 3717951

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	5.9	5	5	10.9	10.9	99	100	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 812706
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3717527 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/10/24 16:55	

LABORATORY CONTROL SAMPLE: 3717528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717529 3717530

Parameter	Units	50384143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.6	101	104	80-120	3	15	

MATRIX SPIKE SAMPLE: 3717531

Parameter	Units	50384145001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	10.5	101	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-19S **Lab ID: 50384327001** Collected: 10/07/24 10:22 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.131 ± 0.653 (1.23) C:NA T:93%**	pCi/L	10/23/24 15:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.222 ± 0.329 (0.709) C:84% T:86%**	pCi/L	10/22/24 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.353 ± 0.982 (1.94)**	pCi/L	10/24/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21S **Lab ID: 50384327002** Collected: 10/07/24 12:10 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.677 ± 0.569 (0.847) C:NA T:88%**	pCi/L	10/23/24 15:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.438 ± 0.365 (0.729) C:83% T:84%**	pCi/L	10/22/24 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.12 ± 0.934 (1.58)**	pCi/L	10/24/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21I **Lab ID: 50384327003** Collected: 10/07/24 14:32 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.519 ± 0.469 (0.692) C:NA T:93%**	pCi/L	10/23/24 15:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.301 ± 0.313 (0.643) C:76% T:87%**	pCi/L	10/22/24 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.820 ± 0.782 (1.34)**	pCi/L	10/24/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Sample: MW-21D **Lab ID: 50384327004** Collected: 10/07/24 16:00 Received: 10/08/24 08:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.358 ± 0.740 (1.30) C:NA T:86%**	pCi/L	10/23/24 15:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.337 ± 0.306 (0.617) C:82% T:92%**	pCi/L	10/22/24 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.695 ± 1.05 (1.92)**	pCi/L	10/24/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 702284 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3420728 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.176 ± 0.212 (0.324) C:NA T:90%	pCi/L	10/23/24 15:03	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

QC Batch: 702287 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

METHOD BLANK: 3420729 Matrix: Water
Associated Lab Samples: 50384327001, 50384327002, 50384327003, 50384327004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.284 ± 0.333 (0.702) C:84% T:94%	pCi/L	10/22/24 15:10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384327001	**MW-19S**	EPA 9056	812970		
50384327002	**MW-21S**	EPA 9056	812970		
50384327003	**MW-21I**	EPA 9056	812970		
50384327004	**MW-21D**	EPA 9056	812970		
50384327001	**MW-19S**	EPA 3010	813000	EPA 6010	813198
50384327002	**MW-21S**	EPA 3010	813000	EPA 6010	813198
50384327003	**MW-21I**	EPA 3010	813000	EPA 6010	813198
50384327004	**MW-21D**	EPA 3010	813000	EPA 6010	813198
50384327001	**MW-19S**	EPA 3010	813010	EPA 6010	813251
50384327002	**MW-21S**	EPA 3010	813010	EPA 6010	813251
50384327003	**MW-21I**	EPA 3010	813010	EPA 6010	813251
50384327004	**MW-21D**	EPA 3010	813010	EPA 6010	813251
50384327001	**MW-19S**	EPA 200.2	812858	EPA 6020	813206
50384327002	**MW-21S**	EPA 200.2	812858	EPA 6020	813206
50384327003	**MW-21I**	EPA 200.2	812858	EPA 6020	813206
50384327004	**MW-21D**	EPA 200.2	812858	EPA 6020	813206
50384327001	**MW-19S**	EPA 903.1	702284		
50384327002	**MW-21S**	EPA 903.1	702284		
50384327003	**MW-21I**	EPA 903.1	702284		
50384327004	**MW-21D**	EPA 903.1	702284		
50384327001	**MW-19S**	EPA 904.0	702287		
50384327002	**MW-21S**	EPA 904.0	702287		
50384327003	**MW-21I**	EPA 904.0	702287		
50384327004	**MW-21D**	EPA 904.0	702287		
50384327001	**MW-19S**	Total Radium Calculation	705154		
50384327002	**MW-21S**	Total Radium Calculation	705154		
50384327003	**MW-21I**	Total Radium Calculation	705154		
50384327004	**MW-21D**	Total Radium Calculation	705154		
50384327001	**MW-19S**	SM 2320B	812997		
50384327002	**MW-21S**	SM 2320B	812997		
50384327003	**MW-21I**	SM 2320B	812997		
50384327004	**MW-21D**	SM 2320B	812997		
50384327001	**MW-19S**	SM 2540C	812837		
50384327002	**MW-21S**	SM 2540C	812837		
50384327003	**MW-21I**	SM 2540C	812837		
50384327004	**MW-21D**	SM 2540C	813055		
50384327001	**MW-19S**	SM 4500-H+B	813751		
50384327002	**MW-21S**	SM 4500-H+B	813751		
50384327003	**MW-21I**	SM 4500-H+B	813751		
50384327004	**MW-21D**	SM 4500-H+B	813751		
50384327001	**MW-19S**	EPA 353.2	812772		
50384327002	**MW-21S**	EPA 353.2	812772		
50384327003	**MW-21I**	EPA 353.2	812773		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384327

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384327004	**MW-21D**	EPA 353.2	812773		
50384327001	**MW-19S**	SM 5310C	812706		
50384327002	**MW-21S**	SM 5310C	812706		
50384327003	**MW-21I**	SM 5310C	812706		
50384327004	**MW-21D**	SM 5310C	812706		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384327

50384327

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley October 2024 PIR 4	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: std TAT

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-19S	GW	G			10/7/24	10:22	8			X	X	X	X	X	X	X	X	001
MW-21S	GW	G				12:10	8											002
MW-21I	GW	G				14:32	8											003
MW-21D	GW	G				16:00	8											004

Identify Container Preservative Type***

Analysis Requested

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) MARK BRETING
Signature: Mark Breting

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
5	C	0.0	see SCVR		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Mark Breting/ATCGS	10/8/24 0832	Walter Scheller Pace	10/8/24 8:32	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/8/24 9:10 TS

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I	**5. Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____
2. Cooler Temperature(s): (Initial/Corrected) 0.3/0.3 | 0.6/0.6 | 0.6/0.6 | 0.4/0.4 — RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)	**6. Ice Type:** ☑ Wet ☐ Blue ☐ None
3. Courier: *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other	**7. Was the PM notified of out of temp cooler?** ☐ Yes ☐ No
4. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No	Cooler temp should be above freezing to 6°C
(If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**	If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 11:55		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Containers Intact?:	✓		Trip Blank Present?		✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Custody Seals?:			✓
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS: 5th cooler temp = 0.3/0.3 TS 1018

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
			SBS																														
			DI		VOA VIAL HS (>6mm)																												
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H		VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit					HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1													1			2	1	2	1	1									wt	✓	✓		
2													↓			↓	↓	↓	↓	↓									↓	✓	✓		
3													↓			↓	↓	↓	↓	↓									↓	✓	✓		
4													↓			↓	↓	↓	↓	↓									↓	✓	✓		
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

ontainer Codes

Glass

G9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
G9P	40mL TSP amber vial	BG1U	1L unpreserved glass
G9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
G9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
G9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
G9H	40mL HCl clear vial	AG1H	1L HCl amber glass
G9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
G9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
/GKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
/GFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
GFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
G3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
G3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
G1H	1L HCl clear glass	AG3U	250mL unpres amber glass
G1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic
NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Dear Mr. Breting:

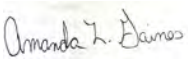
Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384397001	**MW-23D**	Water	10/08/24 14:00	10/08/24 17:05
50384397002	**MW-23I**	Water	10/08/24 10:50	10/08/24 17:05
50384397003	**MW-23I MS**	Water	10/08/24 10:50	10/08/24 17:05
50384397004	**MW-23I MSD**	Water	10/08/24 10:50	10/08/24 17:05

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384397001	**MW-23D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384397002	**MW-23I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384397003	**MW-23I MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50384397004	**MW-23I MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384397001	**MW-23D**					
EPA 9056	Chloride	21.9	mg/L	2.5	10/12/24 17:13	
EPA 9056	Sulfate	38.6	mg/L	0.25	10/12/24 16:57	
EPA 6010	Calcium	70300	ug/L	1000	10/12/24 03:26	
EPA 6010	Magnesium	21900	ug/L	1000	10/12/24 03:26	
EPA 6010	Manganese	165	ug/L	10.0	10/12/24 03:26	
EPA 6010	Potassium	1670	ug/L	1000	10/12/24 03:26	
EPA 6010	Sodium	14000	ug/L	1000	10/12/24 03:26	
EPA 6020	Barium	43.6	ug/L	1.0	10/11/24 03:19	
EPA 6020	Selenium	9.5	ug/L	1.0	10/11/24 03:19	
EPA 903.1	Radium-226	-0.219 ± 0.555 (1.22) C:NA T:95%	pCi/L		10/28/24 16:03	
EPA 904.0	Radium-228	0.613 ± 0.377 (0.693) C:76% T:86%	pCi/L		10/28/24 14:37	
Total Radium Calculation	Total Radium	0.613 ± 0.932 (1.91)	pCi/L		10/30/24 09:29	
SM 2320B	Alkalinity, Total as CaCO3	227	mg/L	10.0	10/09/24 23:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	224	mg/L	10.0	10/09/24 23:30	
SM 2540C	Total Dissolved Solids	310	mg/L	10.0	10/11/24 10:42	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/15/24 14:56	H3
EPA 353.2	Nitrogen, Nitrate	1.6	mg/L	0.10	10/09/24 01:06	
SM 5310C	Dissolved Organic Carbon	1.8	mg/L	1.0	10/16/24 00:45	
50384397002	**MW-23I**					
EPA 9056	Chloride	11.0	mg/L	0.25	10/12/24 17:29	
EPA 9056	Sulfate	36.7	mg/L	0.25	10/12/24 17:29	
EPA 6010	Calcium	82100	ug/L	1000	10/12/24 03:29	
EPA 6010	Magnesium	24000	ug/L	1000	10/12/24 03:29	
EPA 6010	Manganese	39.6	ug/L	10.0	10/12/24 03:29	
EPA 6010	Potassium	1450	ug/L	1000	10/12/24 03:29	
EPA 6010	Sodium	8960	ug/L	1000	10/12/24 03:29	
EPA 6020	Barium	27.4	ug/L	1.0	10/11/24 03:23	
EPA 6020	Selenium	9.0	ug/L	1.0	10/11/24 03:23	
EPA 903.1	Radium-226	0.452 ± 0.545 (0.897) C:NA T:90%	pCi/L		10/28/24 16:03	
EPA 904.0	Radium-228	0.378 ± 0.332 (0.665) C:79% T:85%	pCi/L		10/28/24 14:37	
Total Radium Calculation	Total Radium	0.830 ± 0.877 (1.56)	pCi/L		10/30/24 09:29	
SM 2320B	Alkalinity, Total as CaCO3	250	mg/L	10.0	10/09/24 23:30	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384397002	**MW-23I**					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	246	mg/L	10.0	10/09/24 23:30	
SM 2540C	Total Dissolved Solids	315	mg/L	10.0	10/11/24 10:43	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 14:52	H3
EPA 353.2	Nitrogen, Nitrate	5.9	mg/L	0.50	10/09/24 01:01	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	10/16/24 00:56	
50384397003	**MW-23I MS**					
EPA 903.1	Radium-226	90.92 %REC ± NA (NA) C:NA T:NA	pCi/L		10/28/24 16:25	
EPA 904.0	Radium-228	64.72 %REC ± NA (NA) C:NA T:NA	pCi/L		10/28/24 14:37	
50384397004	**MW-23I MSD**					
EPA 903.1	Radium-226	81.62 %REC 10.77RPD ± NA (NA) C:NA T:NA	pCi/L		10/28/24 16:03	
EPA 904.0	Radium-228	66.97 %REC 3.42RPD ± NA (NA) C:NA T:NA	pCi/L		10/28/24 14:37	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23D **Lab ID: 50384397001** Collected: 10/08/24 14:00 Received: 10/08/24 17:05 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**21.9**	mg/L	2.5	1.3	10		10/12/24 17:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/12/24 16:57	16984-48-8	
Sulfate	**38.6**	mg/L	0.25	0.19	1		10/12/24 16:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:26	7440-42-8	
Calcium	**70300**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:26	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:26	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:26	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:26	7439-93-2	
Magnesium	**21900**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:26	7439-95-4	
Manganese	**165**	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:26	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:26	7439-98-7	
Potassium	**1670**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:26	7440-09-7	
Sodium	**14000**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:26	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/12/24 07:13	10/15/24 18:19	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:57	10/11/24 03:19	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:57	10/11/24 03:19	7440-38-2	
Barium	**43.6**	ug/L	1.0	0.11	1	10/10/24 07:57	10/11/24 03:19	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:57	10/11/24 03:19	7440-48-4	
Selenium	**9.5**	ug/L	1.0	0.26	1	10/10/24 07:57	10/11/24 03:19	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**227**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Bicarbonate (CaCO3)	**224**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/09/24 23:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**310**	mg/L	10.0	10.0	1		10/11/24 10:42		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/15/24 14:56		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23D **Lab ID: 50384397001** Collected: 10/08/24 14:00 Received: 10/08/24 17:05 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.6**	mg/L	0.10	0.013	1		10/09/24 01:06	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.8**	mg/L	1.0	0.25	1		10/16/24 00:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23I **Lab ID: 50384397002** Collected: 10/08/24 10:50 Received: 10/08/24 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**11.0**	mg/L	0.25	0.13	1		10/12/24 17:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/12/24 17:29	16984-48-8	
Sulfate	**36.7**	mg/L	0.25	0.19	1		10/12/24 17:29	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/09/24 07:42	10/12/24 03:29	7440-42-8	
Calcium	**82100**	ug/L	1000	83.9	1	10/09/24 07:42	10/12/24 03:29	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/09/24 07:42	10/12/24 03:29	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/09/24 07:42	10/12/24 03:29	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/09/24 07:42	10/12/24 03:29	7439-93-2	
Magnesium	**24000**	ug/L	1000	53.7	1	10/09/24 07:42	10/12/24 03:29	7439-95-4	
Manganese	**39.6**	ug/L	10.0	0.77	1	10/09/24 07:42	10/12/24 03:29	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/09/24 07:42	10/12/24 03:29	7439-98-7	
Potassium	**1450**	ug/L	1000	113	1	10/09/24 07:42	10/12/24 03:29	7440-09-7	
Sodium	**8960**	ug/L	1000	95.0	1	10/09/24 07:42	10/12/24 03:29	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/12/24 07:13	10/15/24 18:21	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/10/24 07:57	10/11/24 03:23	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/10/24 07:57	10/11/24 03:23	7440-38-2	
Barium	**27.4**	ug/L	1.0	0.11	1	10/10/24 07:57	10/11/24 03:23	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/10/24 07:57	10/11/24 03:23	7440-48-4	
Selenium	**9.0**	ug/L	1.0	0.26	1	10/10/24 07:57	10/11/24 03:23	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**250**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Bicarbonate (CaCO3)	**246**	mg/L	10.0	10.0	1		10/09/24 23:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/09/24 23:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**315**	mg/L	10.0	10.0	1		10/11/24 10:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 14:52		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23I **Lab ID: 50384397002** Collected: 10/08/24 10:50 Received: 10/08/24 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**5.9**	mg/L	0.50	0.065	5		10/09/24 01:01	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.25	1		10/16/24 00:56		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 813096
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3719166 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/12/24 18:18	
Fluoride	mg/L	ND	0.10	0.016	10/12/24 18:18	
Sulfate	mg/L	ND	0.25	0.19	10/12/24 18:18	

LABORATORY CONTROL SAMPLE: 3719167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	1.0	102	80-120	
Sulfate	mg/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3719168 3719169

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.0	2.5	2.5	13.7	13.7	105	105	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.1	1.1	106	107	80-120	1	15	
Sulfate	mg/L	36.7	5	5	41.9	41.9	105	104	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 812780
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3718006 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/12/24 02:34	
Calcium	ug/L	ND	1000	83.9	10/12/24 02:34	
Iron	ug/L	ND	100	41.0	10/12/24 02:34	
Lead	ug/L	ND	10.0	2.0	10/12/24 02:34	
Lithium	ug/L	ND	20.0	3.8	10/12/24 02:34	
Magnesium	ug/L	ND	1000	53.7	10/12/24 02:34	
Manganese	ug/L	ND	10.0	0.77	10/12/24 02:34	
Molybdenum	ug/L	ND	10.0	1.4	10/12/24 02:34	
Potassium	ug/L	ND	1000	113	10/12/24 02:34	
Sodium	ug/L	ND	1000	95.0	10/12/24 02:34	

LABORATORY CONTROL SAMPLE: 3718007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	988	99	80-120	
Calcium	ug/L	10000	9780	98	80-120	
Iron	ug/L	10000	9940	99	80-120	
Lead	ug/L	1000	962	96	80-120	
Lithium	ug/L	1000	985	99	80-120	
Magnesium	ug/L	10000	9970	100	80-120	
Manganese	ug/L	1000	1010	101	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9910	99	80-120	
Sodium	ug/L	10000	9780	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718008 3718009

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1010	1060	98	103	75-125	5	20	
Calcium	ug/L	82100	10000	10000	89200	93700	71	116	75-125	5	20	P6
Iron	ug/L	ND	10000	10000	9570	10000	95	100	75-125	5	20	
Lead	ug/L	ND	1000	1000	942	928	94	93	75-125	2	20	
Lithium	ug/L	ND	1000	1000	976	969	97	96	75-125	1	20	
Magnesium	ug/L	24000	10000	10000	32700	34600	87	106	75-125	5	20	
Manganese	ug/L	39.6	1000	1000	1010	1060	97	102	75-125	5	20	
Molybdenum	ug/L	ND	1000	1000	1040	1020	104	102	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718008 3718009

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	1450	10000	10000	11300	11100	98	97	75-125	1	20	
Sodium	ug/L	8960	10000	10000	18400	18300	94	93	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 813263
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3720277 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/15/24 17:37	

LABORATORY CONTROL SAMPLE: 3720278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720279 3720280

Parameter	Units	50384667001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	11.4	1000	1000	1060	1090	105	108	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720281 3720282

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1060	1070	106	106	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 812866
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3718229 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/10/24 22:26	
Arsenic	ug/L	ND	1.0	0.080	10/10/24 22:26	
Barium	ug/L	ND	1.0	0.11	10/10/24 22:26	
Cobalt	ug/L	ND	1.0	0.045	10/10/24 22:26	
Selenium	ug/L	ND	1.0	0.26	10/10/24 22:26	

LABORATORY CONTROL SAMPLE: 3718230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.4	106	80-120	
Arsenic	ug/L	40	40.2	100	80-120	
Barium	ug/L	40	37.7	94	80-120	
Cobalt	ug/L	40	40.3	101	80-120	
Selenium	ug/L	40	41.8	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718231 3718232

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.6	42.9	106	107	75-125	1	20	
Arsenic	ug/L	ND	40	40	39.8	40.0	99	100	75-125	0	20	
Barium	ug/L	27.4	40	40	64.6	65.3	93	95	75-125	1	20	
Cobalt	ug/L	ND	40	40	37.9	37.9	94	94	75-125	0	20	
Selenium	ug/L	9.0	40	40	47.9	49.2	97	100	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 812996
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3718906 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/09/24 23:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/09/24 23:30	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/09/24 23:30	

LABORATORY CONTROL SAMPLE: 3718907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	46.1	92	90-110	

SAMPLE DUPLICATE: 3718908

Parameter	Units	50384373001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	945	938	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	918	908	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	27.2	30.0	10	20	

SAMPLE DUPLICATE: 3718909

Parameter	Units	50384397002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	254	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	246	254	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 813294
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3720369 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/11/24 10:42	

LABORATORY CONTROL SAMPLE: 3720370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	283	94	80-120	

SAMPLE DUPLICATE: 3720371

Parameter	Units	50384397002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	315	332	5	10	

SAMPLE DUPLICATE: 3720372

Parameter	Units	50384474001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	358	375	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 813751
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

SAMPLE DUPLICATE: 3722458

Parameter	Units	50384397002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3722459

Parameter	Units	50384474001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 812773
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3717948 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/09/24 00:23	

LABORATORY CONTROL SAMPLE: 3717949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	0.99	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717950 3717951

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	5.9	5	5	10.9	10.9	99	100	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 813837
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384397001, 50384397002

METHOD BLANK: 3722937 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/15/24 23:52	

LABORATORY CONTROL SAMPLE: 3722938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722939 3722940

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.4	10	10	11.0	11.0	96	96	80-120	0	15	

MATRIX SPIKE SAMPLE: 3722941

Parameter	Units	50384604001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	13.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23D **Lab ID: 50384397001** Collected: 10/08/24 14:00 Received: 10/08/24 17:05 Matrix: Water
PWS: Site ID: Sample Type:
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.219 ± 0.555 (1.22) C:NA T:95%**	pCi/L	10/28/24 16:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.613 ± 0.377 (0.693) C:76% T:86%**	pCi/L	10/28/24 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.613 ± 0.932 (1.91)**	pCi/L	10/30/24 09:29	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23I **Lab ID: 50384397002** Collected: 10/08/24 10:50 Received: 10/08/24 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.452 ± 0.545 (0.897) C:NA T:90%**	pCi/L	10/28/24 16:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.378 ± 0.332 (0.665) C:79% T:85%**	pCi/L	10/28/24 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.830 ± 0.877 (1.56)**	pCi/L	10/30/24 09:29	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23I MS **Lab ID: 50384397003** Collected: 10/08/24 10:50 Received: 10/08/24 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**90.92 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/28/24 16:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**64.72 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/28/24 14:37	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Sample: MW-23I MSD **Lab ID: 50384397004** Collected: 10/08/24 10:50 Received: 10/08/24 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**81.62 %REC 10.77RPD ± NA (NA) C:NA T:NA**	pCi/L	10/28/24 16:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**66.97 %REC 3.42RPD ± NA (NA) C:NA T:NA**	pCi/L	10/28/24 14:37	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 703906
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384397001, 50384397002, 50384397003, 50384397004

METHOD BLANK: 3427770 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002, 50384397003, 50384397004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.691 ± 0.367 (0.644) C:81% T:87%	pCi/L	10/28/24 14:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

QC Batch: 703903
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384397001, 50384397002, 50384397003, 50384397004

METHOD BLANK: 3427764 Matrix: Water
Associated Lab Samples: 50384397001, 50384397002, 50384397003, 50384397004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.110 ± 0.251 (0.404) C:NA T:91%	pCi/L	10/28/24 15:34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384397

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384397001	**MW-23D**	EPA 9056	813096		
50384397002	**MW-23I**	EPA 9056	813096		
50384397001	**MW-23D**	EPA 3010	812780	EPA 6010	813453
50384397002	**MW-23I**	EPA 3010	812780	EPA 6010	813453
50384397001	**MW-23D**	EPA 3010	813263	EPA 6010	813869
50384397002	**MW-23I**	EPA 3010	813263	EPA 6010	813869
50384397001	**MW-23D**	EPA 200.2	812866	EPA 6020	813207
50384397002	**MW-23I**	EPA 200.2	812866	EPA 6020	813207
50384397001	**MW-23D**	EPA 903.1	703903		
50384397002	**MW-23I**	EPA 903.1	703903		
50384397003	**MW-23I MS**	EPA 903.1	703903		
50384397004	**MW-23I MSD**	EPA 903.1	703903		
50384397001	**MW-23D**	EPA 904.0	703906		
50384397002	**MW-23I**	EPA 904.0	703906		
50384397003	**MW-23I MS**	EPA 904.0	703906		
50384397004	**MW-23I MSD**	EPA 904.0	703906		
50384397001	**MW-23D**	Total Radium Calculation	706205		
50384397002	**MW-23I**	Total Radium Calculation	706205		
50384397001	**MW-23D**	SM 2320B	812996		
50384397002	**MW-23I**	SM 2320B	812996		
50384397001	**MW-23D**	SM 2540C	813294		
50384397002	**MW-23I**	SM 2540C	813294		
50384397001	**MW-23D**	SM 4500-H+B	813751		
50384397002	**MW-23I**	SM 4500-H+B	813751		
50384397001	**MW-23D**	EPA 353.2	812773		
50384397002	**MW-23I**	EPA 353.2	812773		
50384397001	**MW-23D**	SM 5310C	813837		
50384397002	**MW-23I**	SM 5310C	813837		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384397

50384397

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 PIR4	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-23D	GW	G	10-8-24	1400						X	X	X	X	X	X	X	X	001
MW-23I	GW	G	10-8-24	1050						X	X	X	X	X	X	X	X	002
MS5	GW	G	10-8-24	1050						X	X	X	X	X	X	X	X	003
MSD5	GW	G	10-8-24	1050						X	X	X	X	X	X	X	X	004

Lab Use Only
Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Mykah Bertram / Connor Eyler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	C	0.0	19.6	19.6	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
ATLAS	10-8-24	Tabitha Schedler Pace	10/8/24 17:05
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [✓] In- Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/8/24 17.10 TS

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I
2. **Cooler Temperature(s):** 19.6 / 19.6 (Initial/Corrected)
   RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)
3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other
4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**
5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☑ None ☐ Other _____
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **Was the PM notified of out of temp cooler?** ☐ Yes ☑ No
   Cooler temp should be above freezing to 6°C
   If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 18:00		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Containers Intact?:	✓		Trip Blank Present?		✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Custody Seals?:			✓
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER							
COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T		AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1														—			2	—	2	—	—									SW	✓	✓		
2																															✓	✓		
3																															✓	✓		
4														↓			↓	↓	↓	↓	↓									↓	✓	✓		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Dear Mr. Breting:

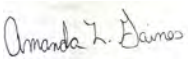
Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384604001	**MW-9S**	Water	10/09/24 13:16	10/10/24 08:40
50384604002	**MW-9I**	Water	10/09/24 15:10	10/10/24 08:40
50384604003	**MW-9D**	Water	10/09/24 13:40	10/10/24 08:40
50384604004	**DUP-2**	Water	10/09/24 08:00	10/10/24 08:40

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384604001	**MW-9S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384604002	**MW-9I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384604003	**MW-9D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384604004	**DUP-2**	EPA 9056	DMP1	3	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384604001	**MW-9S**					
EPA 9056	Chloride	508	mg/L	25.0	10/16/24 23:14	
EPA 9056	Fluoride	0.58	mg/L	0.10	10/16/24 22:40	
EPA 9056	Sulfate	1590	mg/L	25.0	10/16/24 23:14	
EPA 6010	Boron	5390	ug/L	100	10/18/24 01:59	
EPA 6010	Calcium	486000	ug/L	5000	10/18/24 02:14	
EPA 6010	Lithium	155	ug/L	20.0	10/18/24 01:59	
EPA 6010	Magnesium	117000	ug/L	1000	10/18/24 01:59	
EPA 6010	Manganese	43.0	ug/L	10.0	10/18/24 01:59	
EPA 6010	Molybdenum	300	ug/L	10.0	10/18/24 01:59	
EPA 6010	Potassium	25100	ug/L	1000	10/18/24 01:59	
EPA 6010	Sodium	381000	ug/L	5000	10/18/24 02:14	
EPA 6010	Molybdenum, Dissolved	302	ug/L	10.0	10/15/24 19:26	
EPA 6020	Arsenic	13.0	ug/L	1.0	10/15/24 09:51	
EPA 6020	Barium	173	ug/L	1.0	10/15/24 09:51	
EPA 6020	Selenium	5.7	ug/L	1.0	10/15/24 09:51	
EPA 903.1	Radium-226	-0.0630 ± 0.665 (1.31) C:NA T:96%	pCi/L		10/25/24 14:22	
EPA 904.0	Radium-228	0.456 ± 0.353 (0.685) C:83% T:81%	pCi/L		10/29/24 14:22	
Total Radium Calculation	Total Radium	0.456 ± 1.02 (2.00)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	186	mg/L	10.0	10/11/24 13:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	186	mg/L	10.0	10/11/24 13:21	
SM 2540C	Total Dissolved Solids	3060	mg/L	40.0	10/15/24 11:37	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/15/24 16:27	H3
EPA 353.2	Nitrogen, Nitrate	4.5	mg/L	0.10	10/11/24 00:33	
50384604002	**MW-9I**					
EPA 9056	Chloride	141	mg/L	2.5	10/16/24 23:47	
EPA 9056	Fluoride	0.30	mg/L	0.10	10/16/24 23:31	
EPA 9056	Sulfate	192	mg/L	2.5	10/16/24 23:47	
EPA 6010	Boron	639	ug/L	100	10/18/24 02:01	
EPA 6010	Calcium	104000	ug/L	1000	10/18/24 02:01	
EPA 6010	Lithium	38.6	ug/L	20.0	10/18/24 02:01	
EPA 6010	Magnesium	27200	ug/L	1000	10/18/24 02:01	
EPA 6010	Manganese	304	ug/L	10.0	10/18/24 02:01	
EPA 6010	Molybdenum	96.5	ug/L	10.0	10/18/24 02:01	
EPA 6010	Potassium	6680	ug/L	1000	10/18/24 02:01	
EPA 6010	Sodium	93200	ug/L	1000	10/18/24 02:01	
EPA 6010	Molybdenum, Dissolved	97.5	ug/L	10.0	10/15/24 19:29	
EPA 6020	Barium	36.8	ug/L	1.0	10/15/24 09:55	
EPA 903.1	Radium-226	0.000 ± 0.533 (1.06) C:NA T:90%	pCi/L		10/25/24 14:22	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384604002	**MW-9I**					
EPA 904.0	Radium-228	0.260 ± 0.354 (0.757) C:82% T:79%	pCi/L		10/29/24 14:22	
Total Radium Calculation	Total Radium	0.260 ± 0.887 (1.82)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	206	mg/L	10.0	10/11/24 13:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	206	mg/L	10.0	10/11/24 13:21	
SM 2540C	Total Dissolved Solids	686	mg/L	10.0	10/15/24 11:37	
SM 4500-H+B	pH at 25 Degrees C	7.9	Std. Units	0.10	10/15/24 16:34	H3
EPA 353.2	Nitrogen, Nitrate	0.95	mg/L	0.10	10/11/24 00:44	
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	1.0	10/16/24 02:23	
50384604003	**MW-9D**					
EPA 9056	Chloride	99.4	mg/L	2.5	10/17/24 01:11	
EPA 9056	Fluoride	0.10	mg/L	0.10	10/17/24 00:55	
EPA 9056	Sulfate	74.5	mg/L	2.5	10/17/24 01:11	
EPA 6010	Calcium	116000	ug/L	1000	10/18/24 02:03	
EPA 6010	Iron	275	ug/L	100	10/18/24 02:03	
EPA 6010	Magnesium	26100	ug/L	1000	10/18/24 02:03	
EPA 6010	Manganese	269	ug/L	10.0	10/18/24 02:03	
EPA 6010	Potassium	2430	ug/L	1000	10/18/24 02:03	
EPA 6010	Sodium	57500	ug/L	1000	10/18/24 02:03	
EPA 6020	Barium	122	ug/L	1.0	10/15/24 09:59	
EPA 903.1	Radium-226	0.888 ± 0.849 (1.36) C:NA T:96%	pCi/L		10/25/24 14:22	
EPA 904.0	Radium-228	0.811 ± 0.445 (0.808) C:84% T:83%	pCi/L		10/29/24 14:22	
Total Radium Calculation	Total Radium	1.70 ± 1.29 (2.17)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	300	mg/L	10.0	10/11/24 13:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	300	mg/L	10.0	10/11/24 13:21	
SM 2540C	Total Dissolved Solids	565	mg/L	10.0	10/15/24 11:38	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 16:29	H3
EPA 353.2	Nitrogen, Nitrate	0.76	mg/L	0.10	10/11/24 00:35	
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	10/16/24 02:34	
50384604004	**DUP-2**					
EPA 9056	Chloride	508	mg/L	25.0	10/17/24 02:19	
EPA 9056	Fluoride	0.58	mg/L	0.10	10/17/24 01:45	
EPA 9056	Sulfate	1590	mg/L	25.0	10/17/24 02:19	
EPA 6010	Boron	5260	ug/L	100	10/18/24 02:05	
EPA 6010	Calcium	489000	ug/L	5000	10/18/24 02:16	
EPA 6010	Lithium	157	ug/L	20.0	10/18/24 02:05	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384604004	**DUP-2**					
EPA 6010	Magnesium	116000	ug/L	1000	10/18/24 02:05	
EPA 6010	Manganese	39.5	ug/L	10.0	10/18/24 02:05	
EPA 6010	Molybdenum	295	ug/L	10.0	10/18/24 02:05	
EPA 6010	Potassium	24900	ug/L	1000	10/18/24 02:05	
EPA 6010	Sodium	381000	ug/L	5000	10/18/24 02:16	
EPA 6010	Molybdenum, Dissolved	300	ug/L	10.0	10/15/24 19:33	
EPA 6020	Arsenic	13.2	ug/L	1.0	10/15/24 10:02	
EPA 6020	Barium	172	ug/L	1.0	10/15/24 10:02	
EPA 6020	Selenium	5.4	ug/L	1.0	10/15/24 10:02	
EPA 903.1	Radium-226	0.124 ± 0.485 (0.929) C:NA T:94%	pCi/L		10/25/24 14:33	
EPA 904.0	Radium-228	0.263 ± 0.374 (0.801) C:84% T:85%	pCi/L		10/29/24 14:22	
Total Radium Calculation	Total Radium	0.387 ± 0.859 (1.73)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	189	mg/L	10.0	10/11/24 13:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	189	mg/L	10.0	10/11/24 13:21	
SM 2540C	Total Dissolved Solids	3210	mg/L	40.0	10/15/24 11:38	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/15/24 16:19	H3
EPA 353.2	Nitrogen, Nitrate	4.5	mg/L	0.10	10/11/24 00:22	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9S **Lab ID: 50384604001** Collected: 10/09/24 13:16 Received: 10/10/24 08:40 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**508**	mg/L	25.0	13.0	100		10/16/24 23:14	16887-00-6	
Fluoride	**0.58**	mg/L	0.10	0.016	1		10/16/24 22:40	16984-48-8	
Sulfate	**1590**	mg/L	25.0	19.0	100		10/16/24 23:14	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**5390**	ug/L	100	5.6	1	10/14/24 21:15	10/18/24 01:59	7440-42-8	
Calcium	**486000**	ug/L	5000	420	5	10/14/24 21:15	10/18/24 02:14	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/14/24 21:15	10/18/24 01:59	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 21:15	10/18/24 01:59	7439-92-1	
Lithium	**155**	ug/L	20.0	3.8	1	10/14/24 21:15	10/18/24 01:59	7439-93-2	
Magnesium	**117000**	ug/L	1000	53.7	1	10/14/24 21:15	10/18/24 01:59	7439-95-4	
Manganese	**43.0**	ug/L	10.0	0.77	1	10/14/24 21:15	10/18/24 01:59	7439-96-5	
Molybdenum	**300**	ug/L	10.0	1.4	1	10/14/24 21:15	10/18/24 01:59	7439-98-7	
Potassium	**25100**	ug/L	1000	113	1	10/14/24 21:15	10/18/24 01:59	7440-09-7	
Sodium	**381000**	ug/L	5000	475	5	10/14/24 21:15	10/18/24 02:14	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**302**	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:26	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/14/24 09:40	10/15/24 09:51	7440-36-0	
Arsenic	**13.0**	ug/L	1.0	0.080	1	10/14/24 09:40	10/15/24 09:51	7440-38-2	
Barium	**173**	ug/L	1.0	0.11	1	10/14/24 09:40	10/15/24 09:51	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/14/24 09:40	10/15/24 09:51	7440-48-4	
Selenium	**5.7**	ug/L	1.0	0.26	1	10/14/24 09:40	10/15/24 09:51	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**186**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Bicarbonate (CaCO3)	**186**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 13:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3060**	mg/L	40.0	40.0	1		10/15/24 11:37		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/15/24 16:27		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9S **Lab ID: 50384604001** Collected: 10/09/24 13:16 Received: 10/10/24 08:40 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.5**	mg/L	0.10	0.013	1		10/11/24 00:33	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	1.0	4		10/16/24 12:23		D3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9I **Lab ID: 50384604002** Collected: 10/09/24 15:10 Received: 10/10/24 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**141**	mg/L	2.5	1.3	10		10/16/24 23:47	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.016	1		10/16/24 23:31	16984-48-8	
Sulfate	**192**	mg/L	2.5	1.9	10		10/16/24 23:47	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**639**	ug/L	100	5.6	1	10/14/24 21:15	10/18/24 02:01	7440-42-8	
Calcium	**104000**	ug/L	1000	83.9	1	10/14/24 21:15	10/18/24 02:01	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/14/24 21:15	10/18/24 02:01	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 21:15	10/18/24 02:01	7439-92-1	
Lithium	**38.6**	ug/L	20.0	3.8	1	10/14/24 21:15	10/18/24 02:01	7439-93-2	
Magnesium	**27200**	ug/L	1000	53.7	1	10/14/24 21:15	10/18/24 02:01	7439-95-4	
Manganese	**304**	ug/L	10.0	0.77	1	10/14/24 21:15	10/18/24 02:01	7439-96-5	
Molybdenum	**96.5**	ug/L	10.0	1.4	1	10/14/24 21:15	10/18/24 02:01	7439-98-7	
Potassium	**6680**	ug/L	1000	113	1	10/14/24 21:15	10/18/24 02:01	7440-09-7	
Sodium	**93200**	ug/L	1000	95.0	1	10/14/24 21:15	10/18/24 02:01	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**97.5**	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:29	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/14/24 09:40	10/15/24 09:55	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/14/24 09:40	10/15/24 09:55	7440-38-2	
Barium	**36.8**	ug/L	1.0	0.11	1	10/14/24 09:40	10/15/24 09:55	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/14/24 09:40	10/15/24 09:55	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/14/24 09:40	10/15/24 09:55	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**206**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Bicarbonate (CaCO3)	**206**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 13:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**686**	mg/L	10.0	10.0	1		10/15/24 11:37		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.10	1		10/15/24 16:34		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9I **Lab ID: 50384604002** Collected: 10/09/24 15:10 Received: 10/10/24 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.95**	mg/L	0.10	0.013	1		10/11/24 00:44	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.5**	mg/L	1.0	0.25	1		10/16/24 02:23		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9D **Lab ID: 50384604003** Collected: 10/09/24 13:40 Received: 10/10/24 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**99.4**	mg/L	2.5	1.3	10		10/17/24 01:11	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.016	1		10/17/24 00:55	16984-48-8	
Sulfate	**74.5**	mg/L	2.5	1.9	10		10/17/24 01:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/14/24 21:15	10/18/24 02:03	7440-42-8	
Calcium	**116000**	ug/L	1000	83.9	1	10/14/24 21:15	10/18/24 02:03	7440-70-2	
Iron	**275**	ug/L	100	41.0	1	10/14/24 21:15	10/18/24 02:03	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 21:15	10/18/24 02:03	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/14/24 21:15	10/18/24 02:03	7439-93-2	
Magnesium	**26100**	ug/L	1000	53.7	1	10/14/24 21:15	10/18/24 02:03	7439-95-4	
Manganese	**269**	ug/L	10.0	0.77	1	10/14/24 21:15	10/18/24 02:03	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/14/24 21:15	10/18/24 02:03	7439-98-7	
Potassium	**2430**	ug/L	1000	113	1	10/14/24 21:15	10/18/24 02:03	7440-09-7	
Sodium	**57500**	ug/L	1000	95.0	1	10/14/24 21:15	10/18/24 02:03	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:31	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/14/24 09:40	10/15/24 09:59	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/14/24 09:40	10/15/24 09:59	7440-38-2	
Barium	**122**	ug/L	1.0	0.11	1	10/14/24 09:40	10/15/24 09:59	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/14/24 09:40	10/15/24 09:59	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/14/24 09:40	10/15/24 09:59	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**300**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Bicarbonate (CaCO3)	**300**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 13:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**565**	mg/L	10.0	10.0	1		10/15/24 11:38		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 16:29		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9D **Lab ID: 50384604003** Collected: 10/09/24 13:40 Received: 10/10/24 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.76**	mg/L	0.10	0.013	1		10/11/24 00:35	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.25	1		10/16/24 02:34		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: DUP-2 **Lab ID: 50384604004** Collected: 10/09/24 08:00 Received: 10/10/24 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**508**	mg/L	25.0	13.0	100		10/17/24 02:19	16887-00-6	
Fluoride	**0.58**	mg/L	0.10	0.016	1		10/17/24 01:45	16984-48-8	
Sulfate	**1590**	mg/L	25.0	19.0	100		10/17/24 02:19	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**5260**	ug/L	100	5.6	1	10/14/24 21:15	10/18/24 02:05	7440-42-8	
Calcium	**489000**	ug/L	5000	420	5	10/14/24 21:15	10/18/24 02:16	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/14/24 21:15	10/18/24 02:05	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 21:15	10/18/24 02:05	7439-92-1	
Lithium	**157**	ug/L	20.0	3.8	1	10/14/24 21:15	10/18/24 02:05	7439-93-2	
Magnesium	**116000**	ug/L	1000	53.7	1	10/14/24 21:15	10/18/24 02:05	7439-95-4	
Manganese	**39.5**	ug/L	10.0	0.77	1	10/14/24 21:15	10/18/24 02:05	7439-96-5	
Molybdenum	**295**	ug/L	10.0	1.4	1	10/14/24 21:15	10/18/24 02:05	7439-98-7	
Potassium	**24900**	ug/L	1000	113	1	10/14/24 21:15	10/18/24 02:05	7440-09-7	
Sodium	**381000**	ug/L	5000	475	5	10/14/24 21:15	10/18/24 02:16	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**300**	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:33	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/14/24 09:40	10/15/24 10:02	7440-36-0	
Arsenic	**13.2**	ug/L	1.0	0.080	1	10/14/24 09:40	10/15/24 10:02	7440-38-2	
Barium	**172**	ug/L	1.0	0.11	1	10/14/24 09:40	10/15/24 10:02	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/14/24 09:40	10/15/24 10:02	7440-48-4	
Selenium	**5.4**	ug/L	1.0	0.26	1	10/14/24 09:40	10/15/24 10:02	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**189**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Bicarbonate (CaCO3)	**189**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 13:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3210**	mg/L	40.0	40.0	1		10/15/24 11:38		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/15/24 16:19		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: DUP-2 **Lab ID: 50384604004** Collected: 10/09/24 08:00 Received: 10/10/24 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.5**	mg/L	0.10	0.013	1		10/11/24 00:22	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	1.0	4		10/16/24 12:34		D3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813817
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3722813 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/17/24 04:50	
Fluoride	mg/L	ND	0.10	0.016	10/17/24 04:50	
Sulfate	mg/L	ND	0.25	0.19	10/17/24 04:50	

LABORATORY CONTROL SAMPLE: 3722814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	94	80-120	
Fluoride	mg/L	1	0.97	97	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722815 3722816

Parameter	Units	50384588001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	986	250	250	1200	1200	86	84	80-120	0	15	
Fluoride	mg/L	0.69	1	1	1.6	1.6	94	92	80-120	1	15	
Sulfate	mg/L	13.3	5	5	17.8	17.8	91	90	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813240
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3720078 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/18/24 01:07	
Calcium	ug/L	ND	1000	83.9	10/18/24 01:07	
Iron	ug/L	ND	100	41.0	10/18/24 01:07	
Lead	ug/L	ND	10.0	2.0	10/18/24 01:07	
Lithium	ug/L	ND	20.0	3.8	10/18/24 01:07	
Magnesium	ug/L	ND	1000	53.7	10/18/24 01:07	
Manganese	ug/L	ND	10.0	0.77	10/18/24 01:07	
Molybdenum	ug/L	ND	10.0	1.4	10/18/24 01:07	
Potassium	ug/L	ND	1000	113	10/18/24 01:07	
Sodium	ug/L	ND	1000	95.0	10/18/24 01:07	

LABORATORY CONTROL SAMPLE: 3720079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	965	97	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	991	99	80-120	
Lithium	ug/L	1000	992	99	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	1030	103	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9960	100	80-120	
Sodium	ug/L	10000	9820	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720080 3720081

Parameter	Units	50384669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	313	1000	1000	1300	1280	99	97	75-125	1	20	
Calcium	ug/L	1030000	10000	10000	1020000	967000	-58	-601	75-125	5	20	E,P6
Iron	ug/L	235000	10000	10000	238000	220000	27	-146	75-125	8	20	P6
Lead	ug/L	189	1000	1000	1020	1030	83	84	75-125	1	20	
Lithium	ug/L	143	1000	1000	1070	1090	93	94	75-125	1	20	
Magnesium	ug/L	401000	10000	10000	403000	366000	19	-352	75-125	10	20	P6
Manganese	ug/L	3870	1000	1000	4700	4460	83	59	75-125	5	20	M0
Molybdenum	ug/L	72.9	1000	1000	988	1010	92	94	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720080 3720081

Parameter	Units	50384669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	21700	10000	10000	32600	31400	109	97	75-125	4	20	
Sodium	ug/L	78800	10000	10000	86600	84300	78	55	75-125	3	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813513
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3721697 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/15/24 18:40	

LABORATORY CONTROL SAMPLE: 3721698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	975	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721701 3721702

Parameter	Units	50384587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	0.020 mg/L	1000	1000	1080	1070	106	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813501
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3721667 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/15/24 09:30	
Arsenic	ug/L	ND	1.0	0.080	10/15/24 09:30	
Barium	ug/L	ND	1.0	0.11	10/15/24 09:30	
Cobalt	ug/L	ND	1.0	0.045	10/15/24 09:30	
Selenium	ug/L	ND	1.0	0.26	10/15/24 09:30	

LABORATORY CONTROL SAMPLE: 3721668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.6	104	80-120	
Arsenic	ug/L	40	38.5	96	80-120	
Barium	ug/L	40	38.3	96	80-120	
Cobalt	ug/L	40	40.1	100	80-120	
Selenium	ug/L	40	39.8	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721669 3721670

Parameter	Units	50384637001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.7	42.2	106	105	75-125	1	20	
Arsenic	ug/L	4.0	40	40	43.4	42.2	98	95	75-125	3	20	
Barium	ug/L	26.0	40	40	65.1	64.2	98	95	75-125	1	20	
Cobalt	ug/L	ND	40	40	38.1	37.7	95	94	75-125	1	20	
Selenium	ug/L	ND	40	40	39.2	39.4	96	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813296 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3720377 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/11/24 13:21	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 13:21	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 13:21	

LABORATORY CONTROL SAMPLE: 3720378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.5	97	90-110	

SAMPLE DUPLICATE: 3720379

Parameter	Units	50384640002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	580	579	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	580	579	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3720380

Parameter	Units	50384640004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	71.4	71.0	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	71.4	71.0	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813741 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3722428 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/15/24 11:31	

LABORATORY CONTROL SAMPLE: 3722429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3722430

Parameter	Units	50384572004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	705000 ug/L	718	2	10	

SAMPLE DUPLICATE: 3722431

Parameter	Units	50384572005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	650000 ug/L	653	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813755
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

SAMPLE DUPLICATE: 3722475

Parameter	Units	50384692001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	0	2	H3

SAMPLE DUPLICATE: 3722476

Parameter	Units	50384604002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	7.9	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813244
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3720215 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/11/24 00:18	

LABORATORY CONTROL SAMPLE: 3720216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720217 3720218

Parameter	Units	50384604004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.5	5	5	9.4	9.5	99	101	90-110	1	20	

MATRIX SPIKE SAMPLE: 3720219

Parameter	Units	50384672005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1	2.2	103	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 813837 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3722937 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/15/24 23:52	

LABORATORY CONTROL SAMPLE: 3722938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722939 3722940

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.4	10	10	11.0	11.0	96	96	80-120	0	15	

MATRIX SPIKE SAMPLE: 3722941

Parameter	Units	50384604001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	13.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9S **Lab ID: 50384604001** Collected: 10/09/24 13:16 Received: 10/10/24 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.0630 ± 0.665 (1.31) C:NA T:96%**	pCi/L	10/25/24 14:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.456 ± 0.353 (0.685) C:83% T:81%**	pCi/L	10/29/24 14:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.456 ± 1.02 (2.00)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9I **Lab ID: 50384604002** Collected: 10/09/24 15:10 Received: 10/10/24 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.533 (1.06) C:NA T:90%**	pCi/L	10/25/24 14:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.260 ± 0.354 (0.757) C:82% T:79%**	pCi/L	10/29/24 14:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.260 ± 0.887 (1.82)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: MW-9D **Lab ID: 50384604003** Collected: 10/09/24 13:40 Received: 10/10/24 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.888 ± 0.849 (1.36) C:NA T:96%**	pCi/L	10/25/24 14:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.811 ± 0.445 (0.808) C:84% T:83%**	pCi/L	10/29/24 14:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.70 ± 1.29 (2.17)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Sample: DUP-2 **Lab ID: 50384604004** Collected: 10/09/24 08:00 Received: 10/10/24 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.124 ± 0.485 (0.929) C:NA T:94%**	pCi/L	10/25/24 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.263 ± 0.374 (0.801) C:84% T:85%**	pCi/L	10/29/24 14:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.387 ± 0.859 (1.73)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 702737 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3422445 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.101 ± 0.293 (0.660) C:83% T:89%	pCi/L	10/29/24 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

QC Batch: 702736
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

METHOD BLANK: 3422444 Matrix: Water
Associated Lab Samples: 50384604001, 50384604002, 50384604003, 50384604004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.189 ± 0.293 (0.508) C:NA T:95%	pCi/L	10/25/24 14:08	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384604001	**MW-9S**	EPA 9056	813817		
50384604002	**MW-9I**	EPA 9056	813817		
50384604003	**MW-9D**	EPA 9056	813817		
50384604004	**DUP-2**	EPA 9056	813817		
50384604001	**MW-9S**	EPA 3010	813240	EPA 6010	814369
50384604002	**MW-9I**	EPA 3010	813240	EPA 6010	814369
50384604003	**MW-9D**	EPA 3010	813240	EPA 6010	814369
50384604004	**DUP-2**	EPA 3010	813240	EPA 6010	814369
50384604001	**MW-9S**	EPA 3010	813513	EPA 6010	813870
50384604002	**MW-9I**	EPA 3010	813513	EPA 6010	813870
50384604003	**MW-9D**	EPA 3010	813513	EPA 6010	813870
50384604004	**DUP-2**	EPA 3010	813513	EPA 6010	813870
50384604001	**MW-9S**	EPA 200.2	813501	EPA 6020	813693
50384604002	**MW-9I**	EPA 200.2	813501	EPA 6020	813693
50384604003	**MW-9D**	EPA 200.2	813501	EPA 6020	813693
50384604004	**DUP-2**	EPA 200.2	813501	EPA 6020	813693
50384604001	**MW-9S**	EPA 903.1	702736		
50384604002	**MW-9I**	EPA 903.1	702736		
50384604003	**MW-9D**	EPA 903.1	702736		
50384604004	**DUP-2**	EPA 903.1	702736		
50384604001	**MW-9S**	EPA 904.0	702737		
50384604002	**MW-9I**	EPA 904.0	702737		
50384604003	**MW-9D**	EPA 904.0	702737		
50384604004	**DUP-2**	EPA 904.0	702737		
50384604001	**MW-9S**	Total Radium Calculation	706453		
50384604002	**MW-9I**	Total Radium Calculation	706453		
50384604003	**MW-9D**	Total Radium Calculation	706453		
50384604004	**DUP-2**	Total Radium Calculation	706453		
50384604001	**MW-9S**	SM 2320B	813296		
50384604002	**MW-9I**	SM 2320B	813296		
50384604003	**MW-9D**	SM 2320B	813296		
50384604004	**DUP-2**	SM 2320B	813296		
50384604001	**MW-9S**	SM 2540C	813741		
50384604002	**MW-9I**	SM 2540C	813741		
50384604003	**MW-9D**	SM 2540C	813741		
50384604004	**DUP-2**	SM 2540C	813741		
50384604001	**MW-9S**	SM 4500-H+B	813755		
50384604002	**MW-9I**	SM 4500-H+B	813755		
50384604003	**MW-9D**	SM 4500-H+B	813755		
50384604004	**DUP-2**	SM 4500-H+B	813755		
50384604001	**MW-9S**	EPA 353.2	813244		
50384604002	**MW-9I**	EPA 353.2	813244		
50384604003	**MW-9D**	EPA 353.2	813244		
50384604004	**DUP-2**	EPA 353.2	813244		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384604

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384604001	**MW-9S**	SM 5310C	813837		
50384604002	**MW-9I**	SM 5310C	813837		
50384604003	**MW-9D**	SM 5310C	813837		
50384604004	**DUP-2**	SM 5310C	813837		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384604

50384604

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 PIRI	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No	
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____	DW PWSID # or WW Permit # as applicable:	
	Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No	
		Analysis:	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment
MW-9S	GW	G	10-9-24	1316						X	X	X	X	X	X	X	X			001
MW-9I	"	"	"	1510						"	"	"	"	"	"	"	"			002
MW-9D	"	"	"	1340						"	"	"	"	"	"	"	"			003
DUP-2	"	"	"	—						"	"	"	"	"	"	"	"			004

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**

AcctNum / Client ID:

Table #:

Profile / Template: **10498-62**

Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Mykah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	C	0.0	see SCUR		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10-9-24 1800	Mark Breting	10/10/24 0730	
Relinquished by/Company: (Signature) Mark Breting / ATLAS	Date/Time: 10/10/24 840Am	Received by/Company: (Signature) Sabrina Schubert Pace	Date/Time: 10/10/24 8:40	Delivered by: [✓] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/10/24 11.30 TS

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

4.3/4.3	1.1/1.1	0.2/0.2	

3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**

5. **Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓	
Time **5035A TC placed in Freezer or Short Holds To Lab**	Time: 13:00	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													1			2	1	2	1	1									WT	✓	/		
2													↓			↓	↓	↓	↓	↓									↓	/	✓		
3																														/	✓		
4													↓			↓	↓	↓	↓	↓									↓	✓	✓		
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Dear Mr. Breting:

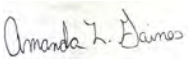
Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384605001	**MW-10D**	Water	10/09/24 14:30	10/10/24 08:40

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384605001	**MW-10D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384605001	**MW-10D**					
EPA 9056	Chloride	188	mg/L	2.5	10/17/24 02:52	
EPA 9056	Fluoride	0.15	mg/L	0.10	10/17/24 02:35	
EPA 9056	Sulfate	394	mg/L	2.5	10/17/24 02:52	
EPA 6010	Boron	782	ug/L	100	10/18/24 02:07	
EPA 6010	Calcium	169000	ug/L	1000	10/18/24 02:07	
EPA 6010	Iron	276	ug/L	100	10/18/24 02:07	
EPA 6010	Lithium	52.9	ug/L	20.0	10/18/24 02:07	
EPA 6010	Magnesium	42600	ug/L	1000	10/18/24 02:07	
EPA 6010	Manganese	218	ug/L	10.0	10/18/24 02:07	
EPA 6010	Molybdenum	81.2	ug/L	10.0	10/18/24 02:07	
EPA 6010	Potassium	10200	ug/L	1000	10/18/24 02:07	
EPA 6010	Sodium	126000	ug/L	1000	10/18/24 02:07	
EPA 6010	Molybdenum, Dissolved	82.3	ug/L	10.0	10/15/24 19:35	
EPA 6020	Barium	73.0	ug/L	1.0	10/14/24 06:05	
EPA 903.1	Radium-226	-0.234 ± 0.513 (1.10) C:NA T:95%	pCi/L		10/25/24 13:54	
EPA 904.0	Radium-228	1.12 ± 0.624 (1.14) C:61% T:86%	pCi/L		10/29/24 14:54	
Total Radium Calculation	Total Radium	1.12 ± 1.14 (2.24)	pCi/L		11/01/24 13:01	
SM 2320B	Alkalinity, Total as CaCO3	263	mg/L	10.0	10/11/24 13:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	10.0	10/11/24 13:21	
SM 2540C	Total Dissolved Solids	1050	mg/L	20.0	10/15/24 11:39	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 16:31	H3
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	1.0	10/16/24 03:07	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Sample: MW-10D **Lab ID: 50384605001** Collected: 10/09/24 14:30 Received: 10/10/24 08:40 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**188**	mg/L	2.5	1.3	10		10/17/24 02:52	16887-00-6	
Fluoride	**0.15**	mg/L	0.10	0.016	1		10/17/24 02:35	16984-48-8	
Sulfate	**394**	mg/L	2.5	1.9	10		10/17/24 02:52	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**782**	ug/L	100	5.6	1	10/14/24 21:15	10/18/24 02:07	7440-42-8	
Calcium	**169000**	ug/L	1000	83.9	1	10/14/24 21:15	10/18/24 02:07	7440-70-2	
Iron	**276**	ug/L	100	41.0	1	10/14/24 21:15	10/18/24 02:07	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 21:15	10/18/24 02:07	7439-92-1	
Lithium	**52.9**	ug/L	20.0	3.8	1	10/14/24 21:15	10/18/24 02:07	7439-93-2	
Magnesium	**42600**	ug/L	1000	53.7	1	10/14/24 21:15	10/18/24 02:07	7439-95-4	
Manganese	**218**	ug/L	10.0	0.77	1	10/14/24 21:15	10/18/24 02:07	7439-96-5	
Molybdenum	**81.2**	ug/L	10.0	1.4	1	10/14/24 21:15	10/18/24 02:07	7439-98-7	
Potassium	**10200**	ug/L	1000	113	1	10/14/24 21:15	10/18/24 02:07	7440-09-7	
Sodium	**126000**	ug/L	1000	95.0	1	10/14/24 21:15	10/18/24 02:07	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**82.3**	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:35	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/12/24 16:05	10/14/24 06:05	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/12/24 16:05	10/14/24 06:05	7440-38-2	
Barium	**73.0**	ug/L	1.0	0.11	1	10/12/24 16:05	10/14/24 06:05	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/12/24 16:05	10/14/24 06:05	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/12/24 16:05	10/14/24 06:05	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**263**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 13:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1050**	mg/L	20.0	20.0	1		10/15/24 11:39		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 16:31		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Sample: MW-10D **Lab ID: 50384605001** Collected: 10/09/24 14:30 Received: 10/10/24 08:40 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/11/24 00:42	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.6**	mg/L	1.0	0.25	1		10/16/24 03:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813817
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3722813 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/17/24 04:50	
Fluoride	mg/L	ND	0.10	0.016	10/17/24 04:50	
Sulfate	mg/L	ND	0.25	0.19	10/17/24 04:50	

LABORATORY CONTROL SAMPLE: 3722814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	94	80-120	
Fluoride	mg/L	1	0.97	97	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722815 3722816

Parameter	Units	50384588001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	986	250	250	1200	1200	86	84	80-120	0	15	
Fluoride	mg/L	0.69	1	1	1.6	1.6	94	92	80-120	1	15	
Sulfate	mg/L	13.3	5	5	17.8	17.8	91	90	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813240
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3720078 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/18/24 01:07	
Calcium	ug/L	ND	1000	83.9	10/18/24 01:07	
Iron	ug/L	ND	100	41.0	10/18/24 01:07	
Lead	ug/L	ND	10.0	2.0	10/18/24 01:07	
Lithium	ug/L	ND	20.0	3.8	10/18/24 01:07	
Magnesium	ug/L	ND	1000	53.7	10/18/24 01:07	
Manganese	ug/L	ND	10.0	0.77	10/18/24 01:07	
Molybdenum	ug/L	ND	10.0	1.4	10/18/24 01:07	
Potassium	ug/L	ND	1000	113	10/18/24 01:07	
Sodium	ug/L	ND	1000	95.0	10/18/24 01:07	

LABORATORY CONTROL SAMPLE: 3720079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	965	97	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	991	99	80-120	
Lithium	ug/L	1000	992	99	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	1030	103	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9960	100	80-120	
Sodium	ug/L	10000	9820	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720080 3720081

Parameter	Units	50384669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	313	1000	1000	1300	1280	99	97	75-125	1	20	
Calcium	ug/L	1030000	10000	10000	1020000	967000	-58	-601	75-125	5	20	E,P6
Iron	ug/L	235000	10000	10000	238000	220000	27	-146	75-125	8	20	P6
Lead	ug/L	189	1000	1000	1020	1030	83	84	75-125	1	20	
Lithium	ug/L	143	1000	1000	1070	1090	93	94	75-125	1	20	
Magnesium	ug/L	401000	10000	10000	403000	366000	19	-352	75-125	10	20	P6
Manganese	ug/L	3870	1000	1000	4700	4460	83	59	75-125	5	20	M0
Molybdenum	ug/L	72.9	1000	1000	988	1010	92	94	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720080 3720081

Parameter	Units	50384669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	21700	10000	10000	32600	31400	109	97	75-125	4	20	
Sodium	ug/L	78800	10000	10000	86600	84300	78	55	75-125	3	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813513
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3721697 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/15/24 18:40	

LABORATORY CONTROL SAMPLE: 3721698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	975	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721701 3721702

Parameter	Units	50384587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	0.020 mg/L	1000	1000	1080	1070	106	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813299
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3720390 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/14/24 02:10	
Arsenic	ug/L	ND	1.0	0.080	10/14/24 02:10	
Barium	ug/L	ND	1.0	0.11	10/14/24 02:10	
Cobalt	ug/L	ND	1.0	0.045	10/14/24 02:10	
Selenium	ug/L	ND	1.0	0.26	10/14/24 02:10	

LABORATORY CONTROL SAMPLE: 3720391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.8	105	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Barium	ug/L	40	38.5	96	80-120	
Cobalt	ug/L	40	39.5	99	80-120	
Selenium	ug/L	40	39.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720392 3720393

Parameter	Units	50384667001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	80	40	64.4	42.9	80	107	75-125	40	20	R1
Arsenic	ug/L	ND	40	40	39.0	39.5	96	98	75-125	1	20	
Barium	ug/L	75.9	40	40	114	113	96	92	75-125	1	20	
Cobalt	ug/L	1.3	40	40	38.5	38.6	93	93	75-125	0	20	
Selenium	ug/L	ND	40	40	37.5	37.4	93	93	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813296
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3720377 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/11/24 13:21	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 13:21	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 13:21	

LABORATORY CONTROL SAMPLE: 3720378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.5	97	90-110	

SAMPLE DUPLICATE: 3720379

Parameter	Units	50384640002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	580	579	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	580	579	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3720380

Parameter	Units	50384640004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	71.4	71.0	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	71.4	71.0	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813741
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3722428 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/15/24 11:31	

LABORATORY CONTROL SAMPLE: 3722429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3722430

Parameter	Units	50384572004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	705000 ug/L	718	2	10	

SAMPLE DUPLICATE: 3722431

Parameter	Units	50384572005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	650000 ug/L	653	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813755
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50384605001

SAMPLE DUPLICATE: 3722475

Parameter	Units	50384692001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	0	2	H3

SAMPLE DUPLICATE: 3722476

Parameter	Units	50384604002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	7.9	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813244
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3720215 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/11/24 00:18	

LABORATORY CONTROL SAMPLE: 3720216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720217 3720218

Parameter	Units	50384604004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.5	5	5	9.4	9.5	99	101	90-110	1	20	

MATRIX SPIKE SAMPLE: 3720219

Parameter	Units	50384672005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1	2.2	103	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 813837
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384605001

METHOD BLANK: 3722937 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/15/24 23:52	

LABORATORY CONTROL SAMPLE: 3722938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722939 3722940

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.4	10	10	11.0	11.0	96	96	80-120	0	15	

MATRIX SPIKE SAMPLE: 3722941

Parameter	Units	50384604001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	13.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Sample: MW-10D **Lab ID: 50384605001** Collected: 10/09/24 14:30 Received: 10/10/24 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.234 ± 0.513 (1.10) C:NA T:95%**	pCi/L	10/25/24 13:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.12 ± 0.624 (1.14) C:61% T:86%**	pCi/L	10/29/24 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.12 ± 1.14 (2.24)**	pCi/L	11/01/24 13:01	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 702734
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384605001

METHOD BLANK: 3422441 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0915 ± 0.209 (0.337) C:NA T:95%	pCi/L	10/25/24 13:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

QC Batch: 702735
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384605001

METHOD BLANK: 3422442 Matrix: Water
Associated Lab Samples: 50384605001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.181 ± 0.312 (0.681) C:76% T:86%	pCi/L	10/29/24 14:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384605

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384605001	**MW-10D**	EPA 9056	813817		
50384605001	**MW-10D**	EPA 3010	813240	EPA 6010	814369
50384605001	**MW-10D**	EPA 3010	813513	EPA 6010	813870
50384605001	**MW-10D**	EPA 200.2	813299	EPA 6020	813517
50384605001	**MW-10D**	EPA 903.1	702734		
50384605001	**MW-10D**	EPA 904.0	702735		
50384605001	**MW-10D**	Total Radium Calculation	706799		
50384605001	**MW-10D**	SM 2320B	813296		
50384605001	**MW-10D**	SM 2540C	813741		
50384605001	**MW-10D**	SM 4500-H+B	813755		
50384605001	**MW-10D**	EPA 353.2	813244		
50384605001	**MW-10D**	SM 5310C	813837		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

WO# : 50384605

50384605

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 PIRB	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment
MW-10D	GW	G	10/9/24	1430						X	X	X	X	X	X	X	X			

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name)
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	C	0.0	see SCUR		Y

	Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
1		10/10/24 0730	Mark Breting/Atlas	10/10/24 0730
2	Mark Breting/Atlas	10/10/24 0840	Tabitha Schreiber Pace	10/10/24 8:40
3				
4				

Tracking Number:

Delivered by: [✓] In-Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/10/24 11.30 TS

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 4.3/4.3 | 1.1/1.1 | 0.2/0.2 | RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: Circle One — Fed Ex UPS (Client) Pace Now/Jett Other

4. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 13:05	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID		✓
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS: Time on sample labels is 15.30 TS 10/16

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU	BG1U	MeOH (only) / SBS / DI / R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1														1			2	1	2	1	1									WT	✓	✓		
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
1	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Dear Mr. Breting:

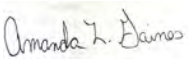
Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384606001	**MW-23S**	Water	10/09/24 10:30	10/10/24 08:40

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384606001	**MW-23S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	JPK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384606001	**MW-23S**					
EPA 9056	Chloride	3.9	mg/L	0.25	10/17/24 03:26	
EPA 9056	Fluoride	0.10	mg/L	0.10	10/17/24 03:26	
EPA 9056	Sulfate	7.3	mg/L	0.25	10/17/24 03:26	
EPA 6010	Calcium	106000	ug/L	1000	10/18/24 02:09	
EPA 6010	Iron	345	ug/L	100	10/18/24 02:09	
EPA 6010	Magnesium	30300	ug/L	1000	10/18/24 02:09	
EPA 6010	Manganese	17.9	ug/L	10.0	10/18/24 02:09	
EPA 6010	Sodium	3600	ug/L	1000	10/18/24 02:09	
EPA 6020	Barium	42.9	ug/L	1.0	10/14/24 06:08	
EPA 6020	Selenium	1.0	ug/L	1.0	10/14/24 06:08	
EPA 903.1	Radium-226	-0.158 ± 0.535 (1.09) C:NA T:100%	pCi/L		10/25/24 13:54	
EPA 904.0	Radium-228	1.37 ± 0.554 (0.852) C:64% T:89%	pCi/L		10/29/24 14:54	
Total Radium Calculation	Total Radium	1.37 ± 1.09 (1.94)	pCi/L		11/01/24 13:01	
SM 2320B	Alkalinity, Total as CaCO3	334	mg/L	10.0	10/11/24 13:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	334	mg/L	10.0	10/11/24 13:21	
SM 2540C	Total Dissolved Solids	364	mg/L	10.0	10/15/24 11:40	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/15/24 16:21	H3
EPA 353.2	Nitrogen, Nitrate	9.1	mg/L	0.50	10/11/24 01:12	
SM 5310C	Dissolved Organic Carbon	3.8	mg/L	1.0	10/16/24 03:18	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Sample: MW-23S **Lab ID: 50384606001** Collected: 10/09/24 10:30 Received: 10/10/24 08:40 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**3.9**	mg/L	0.25	0.13	1		10/17/24 03:26	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.016	1		10/17/24 03:26	16984-48-8	
Sulfate	**7.3**	mg/L	0.25	0.19	1		10/17/24 03:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/14/24 21:15	10/18/24 02:09	7440-42-8	
Calcium	**106000**	ug/L	1000	83.9	1	10/14/24 21:15	10/18/24 02:09	7440-70-2	
Iron	**345**	ug/L	100	41.0	1	10/14/24 21:15	10/18/24 02:09	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 21:15	10/18/24 02:09	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/14/24 21:15	10/18/24 02:09	7439-93-2	
Magnesium	**30300**	ug/L	1000	53.7	1	10/14/24 21:15	10/18/24 02:09	7439-95-4	
Manganese	**17.9**	ug/L	10.0	0.77	1	10/14/24 21:15	10/18/24 02:09	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/14/24 21:15	10/18/24 02:09	7439-98-7	
Potassium	ND	ug/L	1000	113	1	10/14/24 21:15	10/18/24 02:09	7440-09-7	
Sodium	**3600**	ug/L	1000	95.0	1	10/14/24 21:15	10/18/24 02:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:37	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/12/24 16:05	10/14/24 06:08	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/12/24 16:05	10/14/24 06:08	7440-38-2	
Barium	**42.9**	ug/L	1.0	0.11	1	10/12/24 16:05	10/14/24 06:08	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/12/24 16:05	10/14/24 06:08	7440-48-4	
Selenium	**1.0**	ug/L	1.0	0.26	1	10/12/24 16:05	10/14/24 06:08	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**334**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Bicarbonate (CaCO3)	**334**	mg/L	10.0	10.0	1		10/11/24 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 13:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**364**	mg/L	10.0	10.0	1		10/15/24 11:40		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/15/24 16:21		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Sample: MW-23S **Lab ID: 50384606001** Collected: 10/09/24 10:30 Received: 10/10/24 08:40 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**9.1**	mg/L	0.50	0.065	5		10/11/24 01:12	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.8**	mg/L	1.0	0.25	1		10/16/24 03:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813817
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50384606001

METHOD BLANK: 3722813 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/17/24 04:50	
Fluoride	mg/L	ND	0.10	0.016	10/17/24 04:50	
Sulfate	mg/L	ND	0.25	0.19	10/17/24 04:50	

LABORATORY CONTROL SAMPLE: 3722814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	94	80-120	
Fluoride	mg/L	1	0.97	97	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722815 3722816

Parameter	Units	50384588001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	986	250	250	1200	1200	86	84	80-120	0	15	
Fluoride	mg/L	0.69	1	1	1.6	1.6	94	92	80-120	1	15	
Sulfate	mg/L	13.3	5	5	17.8	17.8	91	90	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813240
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384606001

METHOD BLANK: 3720078 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/18/24 01:07	
Calcium	ug/L	ND	1000	83.9	10/18/24 01:07	
Iron	ug/L	ND	100	41.0	10/18/24 01:07	
Lead	ug/L	ND	10.0	2.0	10/18/24 01:07	
Lithium	ug/L	ND	20.0	3.8	10/18/24 01:07	
Magnesium	ug/L	ND	1000	53.7	10/18/24 01:07	
Manganese	ug/L	ND	10.0	0.77	10/18/24 01:07	
Molybdenum	ug/L	ND	10.0	1.4	10/18/24 01:07	
Potassium	ug/L	ND	1000	113	10/18/24 01:07	
Sodium	ug/L	ND	1000	95.0	10/18/24 01:07	

LABORATORY CONTROL SAMPLE: 3720079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	965	97	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	991	99	80-120	
Lithium	ug/L	1000	992	99	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	1030	103	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9960	100	80-120	
Sodium	ug/L	10000	9820	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720080 3720081

Parameter	Units	50384669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	313	1000	1000	1300	1280	99	97	75-125	1	20	
Calcium	ug/L	1030000	10000	10000	1020000	967000	-58	-601	75-125	5	20	E,P6
Iron	ug/L	235000	10000	10000	238000	220000	27	-146	75-125	8	20	P6
Lead	ug/L	189	1000	1000	1020	1030	83	84	75-125	1	20	
Lithium	ug/L	143	1000	1000	1070	1090	93	94	75-125	1	20	
Magnesium	ug/L	401000	10000	10000	403000	366000	19	-352	75-125	10	20	P6
Manganese	ug/L	3870	1000	1000	4700	4460	83	59	75-125	5	20	M0
Molybdenum	ug/L	72.9	1000	1000	988	1010	92	94	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720080 3720081

Parameter	Units	50384669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	21700	10000	10000	32600	31400	109	97	75-125	4	20	
Sodium	ug/L	78800	10000	10000	86600	84300	78	55	75-125	3	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813513
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384606001

METHOD BLANK: 3721697 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/15/24 18:40	

LABORATORY CONTROL SAMPLE: 3721698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	975	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721701 3721702

Parameter	Units	50384587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	0.020 mg/L	1000	1000	1080	1070	106	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813299
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384606001

METHOD BLANK: 3720390 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/14/24 02:10	
Arsenic	ug/L	ND	1.0	0.080	10/14/24 02:10	
Barium	ug/L	ND	1.0	0.11	10/14/24 02:10	
Cobalt	ug/L	ND	1.0	0.045	10/14/24 02:10	
Selenium	ug/L	ND	1.0	0.26	10/14/24 02:10	

LABORATORY CONTROL SAMPLE: 3720391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.8	105	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Barium	ug/L	40	38.5	96	80-120	
Cobalt	ug/L	40	39.5	99	80-120	
Selenium	ug/L	40	39.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720392 3720393

Parameter	Units	50384667001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	80	40	64.4	42.9	80	107	75-125	40	20	R1
Arsenic	ug/L	ND	40	40	39.0	39.5	96	98	75-125	1	20	
Barium	ug/L	75.9	40	40	114	113	96	92	75-125	1	20	
Cobalt	ug/L	1.3	40	40	38.5	38.6	93	93	75-125	0	20	
Selenium	ug/L	ND	40	40	37.5	37.4	93	93	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813296
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384606001

METHOD BLANK: 3720377 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/11/24 13:21	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 13:21	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 13:21	

LABORATORY CONTROL SAMPLE: 3720378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.5	97	90-110	

SAMPLE DUPLICATE: 3720379

Parameter	Units	50384640002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	580	579	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	580	579	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3720380

Parameter	Units	50384640004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	71.4	71.0	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	71.4	71.0	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813741
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384606001

METHOD BLANK: 3722428 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/15/24 11:31	

LABORATORY CONTROL SAMPLE: 3722429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3722430

Parameter	Units	50384572004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	705000 ug/L	718	2	10	

SAMPLE DUPLICATE: 3722431

Parameter	Units	50384572005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	650000 ug/L	653	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813755
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50384606001

SAMPLE DUPLICATE: 3722475

Parameter	Units	50384692001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	0	2	H3

SAMPLE DUPLICATE: 3722476

Parameter	Units	50384604002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	7.9	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813244
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384606001

METHOD BLANK: 3720215 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/11/24 00:18	

LABORATORY CONTROL SAMPLE: 3720216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720217 3720218

Parameter	Units	50384604004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.5	5	5	9.4	9.5	99	101	90-110	1	20	

MATRIX SPIKE SAMPLE: 3720219

Parameter	Units	50384672005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1	2.2	103	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 813837
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384606001

METHOD BLANK: 3722937 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/15/24 23:52	

LABORATORY CONTROL SAMPLE: 3722938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722939 3722940

Parameter	Units	50384397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.4	10	10	11.0	11.0	96	96	80-120	0	15	

MATRIX SPIKE SAMPLE: 3722941

Parameter	Units	50384604001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	13.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Sample: MW-23S **Lab ID: 50384606001** Collected: 10/09/24 10:30 Received: 10/10/24 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.158 ± 0.535 (1.09) C:NA T:100%**	pCi/L	10/25/24 13:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.37 ± 0.554 (0.852) C:64% T:89%**	pCi/L	10/29/24 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.37 ± 1.09 (1.94)**	pCi/L	11/01/24 13:01	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 702734
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384606001

METHOD BLANK: 3422441 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0915 ± 0.209 (0.337) C:NA T:95%	pCi/L	10/25/24 13:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

QC Batch: 702735
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384606001

METHOD BLANK: 3422442 Matrix: Water
Associated Lab Samples: 50384606001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.181 ± 0.312 (0.681) C:76% T:86%	pCi/L	10/29/24 14:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384606

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384606001	**MW-23S**	EPA 9056	813817		
50384606001	**MW-23S**	EPA 3010	813240	EPA 6010	814369
50384606001	**MW-23S**	EPA 3010	813513	EPA 6010	813870
50384606001	**MW-23S**	EPA 200.2	813299	EPA 6020	813517
50384606001	**MW-23S**	EPA 903.1	702734		
50384606001	**MW-23S**	EPA 904.0	702735		
50384606001	**MW-23S**	Total Radium Calculation	706799		
50384606001	**MW-23S**	SM 2320B	813296		
50384606001	**MW-23S**	SM 2540C	813741		
50384606001	**MW-23S**	SM 4500-H+B	813755		
50384606001	**MW-23S**	EPA 353.2	813244		
50384606001	**MW-23S**	SM 5310C	813837		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50384606

50384606

Here

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES001		
Project Name:	Eagle Valley October 2024 PIR4	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment	Preservation non-conformance identified for sample.
MW-23S	GW	G	10/9/24	1030						X	X	X	X	X	X	X	X		

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Connor Eyler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	T6 C	0.0	see SCUR		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/10/24 0720		10/10/24 0730	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
	10/10/24 0840		10/10/24 8:40	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/10/24 11.30 TS

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I
2. **Cooler Temperature(s):** 4.3/4.3 | 1.1/1.1 | 0.2/0.2 | (Initial/Corrected)
   RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)
3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other
4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)**Seals Intact:** ☐ Yes ☐ No (leave blank if no seals were present)
5. **Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No
   Cooler temp should be above freezing to 6°C
   If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 13:05		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Containers Intact?:	✓		Trip Blank Present?		✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID		✓	Trip Blank Custody Seals?:			✓
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS: Times on sample labels = 10.50 TS 10/16

COC **PAGE** 1 **of** 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												1				2	1	2	1	1									WT	✓	✓		
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Dear Mr. Breting:

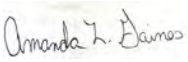
Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384671001	**MW-10I**	Water	10/10/24 10:45	10/10/24 16:30
50384671002	**DUP 3**	Water	10/10/24 08:00	10/10/24 16:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384671001	**MW-10I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384671002	**DUP 3**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384671001	**MW-10I**					
EPA 9056	Chloride	234	mg/L	2.5	10/18/24 00:43	
EPA 9056	Fluoride	0.24	mg/L	0.10	10/18/24 00:26	
EPA 9056	Sulfate	522	mg/L	25.0	10/18/24 01:00	
EPA 6010	Boron	1400	ug/L	100	10/16/24 16:38	
EPA 6010	Calcium	202000	ug/L	2000	10/16/24 17:42	
EPA 6010	Iron	291	ug/L	100	10/16/24 16:38	
EPA 6010	Lithium	58.7	ug/L	20.0	10/16/24 16:38	
EPA 6010	Magnesium	49500	ug/L	1000	10/16/24 16:38	
EPA 6010	Manganese	97.8	ug/L	10.0	10/16/24 16:38	
EPA 6010	Molybdenum	113	ug/L	10.0	10/16/24 16:38	
EPA 6010	Potassium	10300	ug/L	1000	10/16/24 16:38	
EPA 6010	Sodium	146000	ug/L	1000	10/16/24 16:38	
EPA 6010	Molybdenum, Dissolved	117	ug/L	10.0	10/15/24 19:40	
EPA 6020	Barium	45.5	ug/L	1.0	10/16/24 02:43	
EPA 903.1	Radium-226	-0.392 ± 0.958 (1.87) C:NA T:89%	pCi/L		10/25/24 14:22	
EPA 904.0	Radium-228	0.752 ± 0.386 (0.669) C:83% T:85%	pCi/L		10/29/24 14:22	
Total Radium Calculation	Total Radium	0.752 ± 1.34 (2.54)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	268	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	268	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	1400	mg/L	20.0	10/16/24 14:13	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/17/24 12:06	H3
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	10/22/24 21:35	
50384671002	**DUP 3**					
EPA 9056	Chloride	239	mg/L	2.5	10/18/24 01:34	
EPA 9056	Fluoride	0.25	mg/L	0.10	10/18/24 01:17	
EPA 9056	Sulfate	530	mg/L	25.0	10/18/24 01:50	
EPA 6010	Boron	1420	ug/L	100	10/16/24 16:40	
EPA 6010	Calcium	202000	ug/L	2000	10/16/24 17:45	
EPA 6010	Iron	375	ug/L	100	10/16/24 16:40	
EPA 6010	Lithium	55.5	ug/L	20.0	10/16/24 16:40	
EPA 6010	Magnesium	49700	ug/L	1000	10/16/24 16:40	
EPA 6010	Manganese	156	ug/L	10.0	10/16/24 16:40	
EPA 6010	Molybdenum	115	ug/L	10.0	10/16/24 16:40	
EPA 6010	Potassium	10400	ug/L	1000	10/16/24 16:40	
EPA 6010	Sodium	147000	ug/L	1000	10/16/24 16:40	
EPA 6010	Molybdenum, Dissolved	118	ug/L	10.0	10/15/24 19:42	
EPA 6020	Barium	44.6	ug/L	1.0	10/16/24 02:47	
EPA 903.1	Radium-226	0.901 ± 0.689 (1.03) C:NA T:99%	pCi/L		10/25/24 14:22	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384671002	**DUP 3**					
EPA 904.0	Radium-228	0.295 ± 0.317 (0.657) C:83% T:90%	pCi/L		10/29/24 14:22	
Total Radium Calculation	Total Radium	1.20 ± 1.01 (1.69)	pCi/L		10/31/24 08:23	
SM 2320B	Alkalinity, Total as CaCO3	266	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	266	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	1320	mg/L	20.0	10/16/24 14:14	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/17/24 12:07	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Sample: MW-10I **Lab ID: 50384671001** Collected: 10/10/24 10:45 Received: 10/10/24 16:30 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**234**	mg/L	2.5	1.3	10		10/18/24 00:43	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	0.016	1		10/18/24 00:26	16984-48-8	
Sulfate	**522**	mg/L	25.0	19.0	100		10/18/24 01:00	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**1400**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 16:38	7440-42-8	
Calcium	**202000**	ug/L	2000	168	2	10/14/24 16:11	10/16/24 17:42	7440-70-2	
Iron	**291**	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 16:38	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 16:38	7439-92-1	
Lithium	**58.7**	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 16:38	7439-93-2	
Magnesium	**49500**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 16:38	7439-95-4	
Manganese	**97.8**	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 16:38	7439-96-5	
Molybdenum	**113**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 16:38	7439-98-7	
Potassium	**10300**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 16:38	7440-09-7	
Sodium	**146000**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 16:38	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**117**	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:40	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 02:43	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 02:43	7440-38-2	
Barium	**45.5**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 02:43	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 02:43	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 02:43	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**268**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**268**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1400**	mg/L	20.0	20.0	1		10/16/24 14:13		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/17/24 12:06		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Sample: MW-10I **Lab ID: 50384671001** Collected: 10/10/24 10:45 Received: 10/10/24 16:30 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/11/24 00:51	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.2**	mg/L	1.0	0.25	1		10/22/24 21:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Sample: DUP 3 **Lab ID: 50384671002** Collected: 10/10/24 08:00 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**239**	mg/L	2.5	1.3	10		10/18/24 01:34	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.016	1		10/18/24 01:17	16984-48-8	
Sulfate	**530**	mg/L	25.0	19.0	100		10/18/24 01:50	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**1420**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 16:40	7440-42-8	
Calcium	**202000**	ug/L	2000	168	2	10/14/24 16:11	10/16/24 17:45	7440-70-2	
Iron	**375**	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 16:40	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 16:40	7439-92-1	
Lithium	**55.5**	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 16:40	7439-93-2	
Magnesium	**49700**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 16:40	7439-95-4	
Manganese	**156**	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 16:40	7439-96-5	
Molybdenum	**115**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 16:40	7439-98-7	
Potassium	**10400**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 16:40	7440-09-7	
Sodium	**147000**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 16:40	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**118**	ug/L	10.0	1.4	1	10/14/24 07:21	10/15/24 19:42	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 02:47	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 02:47	7440-38-2	
Barium	**44.6**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 02:47	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 02:47	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 02:47	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**266**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**266**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1320**	mg/L	20.0	20.0	1		10/16/24 14:14		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/17/24 12:07		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Sample: DUP 3 **Lab ID: 50384671002** Collected: 10/10/24 08:00 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/11/24 00:46	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	1.0	4		10/23/24 09:21		D3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 814012
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3723553 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/17/24 11:02	
Fluoride	mg/L	ND	0.10	0.016	10/17/24 11:02	
Sulfate	mg/L	ND	0.25	0.19	10/17/24 11:02	

LABORATORY CONTROL SAMPLE: 3723554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	93	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723555 3723556

Parameter	Units	50384753001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	506	250	250	726	724	88	87	80-120	0	15	
Fluoride	mg/L	0.34	1	1	1.3	1.3	96	94	80-120	1	15	
Sulfate	mg/L	80.4	50	50	126	126	92	91	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 813622
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3722059 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/16/24 16:25	
Calcium	ug/L	ND	1000	83.9	10/16/24 16:25	
Iron	ug/L	ND	100	41.0	10/16/24 16:25	
Lead	ug/L	ND	10.0	2.0	10/16/24 16:25	
Lithium	ug/L	ND	20.0	3.8	10/16/24 16:25	
Magnesium	ug/L	ND	1000	53.7	10/16/24 16:25	
Manganese	ug/L	ND	10.0	0.77	10/16/24 16:25	
Molybdenum	ug/L	ND	10.0	1.4	10/16/24 16:25	
Potassium	ug/L	ND	1000	113	10/16/24 16:25	
Sodium	ug/L	ND	1000	95.0	10/16/24 16:25	

LABORATORY CONTROL SAMPLE: 3722060

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	971	97	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Iron	ug/L	10000	10000	100	80-120	
Lead	ug/L	1000	977	98	80-120	
Lithium	ug/L	1000	985	98	80-120	
Magnesium	ug/L	10000	9840	98	80-120	
Manganese	ug/L	1000	1020	102	80-120	
Molybdenum	ug/L	1000	1040	104	80-120	
Potassium	ug/L	10000	9900	99	80-120	
Sodium	ug/L	10000	9830	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722061 3722062

Parameter	Units	50384859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	421	1000	1000	1410	1370	99	95	75-125	3	20	
Calcium	ug/L	128000	10000	10000	138000	131000	92	31	75-125	5	20	P6
Iron	ug/L	759	10000	10000	10600	10300	98	95	75-125	3	20	
Lead	ug/L	ND	1000	1000	946	911	95	91	75-125	4	20	
Lithium	ug/L	20.5	1000	1000	983	952	96	93	75-125	3	20	
Magnesium	ug/L	29400	10000	10000	38800	37200	94	78	75-125	4	20	
Manganese	ug/L	903	1000	1000	1890	1820	99	91	75-125	4	20	
Molybdenum	ug/L	ND	1000	1000	1040	1000	104	100	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722061 3722062

Parameter	Units	50384859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	1350	10000	10000	11200	10800	99	94	75-125	4	20	
Sodium	ug/L	106000	10000	10000	114000	109000	85	36	75-125	4	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 813513
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3721697 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/15/24 18:40	

LABORATORY CONTROL SAMPLE: 3721698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	975	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721701 3721702

Parameter	Units	50384587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	0.020 mg/L	1000	1000	1080	1070	106	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 813581
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3721904 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/16/24 01:59	
Arsenic	ug/L	ND	1.0	0.080	10/16/24 01:59	
Barium	ug/L	ND	1.0	0.11	10/16/24 01:59	
Cobalt	ug/L	ND	1.0	0.045	10/16/24 01:59	
Selenium	ug/L	ND	1.0	0.26	10/16/24 01:59	

LABORATORY CONTROL SAMPLE: 3721905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.5	104	80-120	
Arsenic	ug/L	40	40.6	102	80-120	
Barium	ug/L	40	38.0	95	80-120	
Cobalt	ug/L	40	40.6	102	80-120	
Selenium	ug/L	40	38.7	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721906 3721907

Parameter	Units	50384859002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	39.8	38.0	99	94	75-125	5	20	
Arsenic	ug/L	426	40	40	481	466	137	99	75-125	3	20	P6
Barium	ug/L	1240	40	40	1320	1280	196	99	75-125	3	20	E,P6
Cobalt	ug/L	ND	40	40	38.2	37.1	92	90	75-125	3	20	
Selenium	ug/L	ND	40	40	35.4	35.6	88	88	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 813437
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3721144 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/11/24 20:38	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 20:38	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 20:38	

LABORATORY CONTROL SAMPLE: 3721145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.4	97	90-110	

SAMPLE DUPLICATE: 3721146

Parameter	Units	50384726001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	348	356	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	348	356	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3721147

Parameter	Units	50384721002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	389	399	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	389	399	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 813964
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3723381 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/16/24 14:12	

LABORATORY CONTROL SAMPLE: 3723382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	80-120	

SAMPLE DUPLICATE: 3723383

Parameter	Units	50384671001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1400	1370	2	10	

SAMPLE DUPLICATE: 3723384

Parameter	Units	50384672001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	314	314	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 814233
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

SAMPLE DUPLICATE: 3724478

Parameter	Units	50385045001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	0	2	H3

SAMPLE DUPLICATE: 3724479

Parameter	Units	50384672006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.8	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 813244
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3720215 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/11/24 00:18	

LABORATORY CONTROL SAMPLE: 3720216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720217 3720218

Parameter	Units	50384604004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.5	5	5	9.4	9.5	99	101	90-110	1	20	

MATRIX SPIKE SAMPLE: 3720219

Parameter	Units	50384672005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1	2.2	103	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 814955
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3727542 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/22/24 21:14	

LABORATORY CONTROL SAMPLE: 3727543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727544 3727545

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.7	10	10	11.2	11.0	95	93	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727546

Parameter	Units	50384957004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.7	10	11.8	91	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Sample: MW-10I **Lab ID: 50384671001** Collected: 10/10/24 10:45 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.392 ± 0.958 (1.87) C:NA T:89%**	pCi/L	10/25/24 14:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.752 ± 0.386 (0.669) C:83% T:85%**	pCi/L	10/29/24 14:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.752 ± 1.34 (2.54)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Sample: DUP 3 **Lab ID: 50384671002** Collected: 10/10/24 08:00 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.901 ± 0.689 (1.03) C:NA T:99%**	pCi/L	10/25/24 14:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.295 ± 0.317 (0.657) C:83% T:90%**	pCi/L	10/29/24 14:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.20 ± 1.01 (1.69)**	pCi/L	10/31/24 08:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 702737
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3422445
Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.101 ± 0.293 (0.660) C:83% T:89%	pCi/L	10/29/24 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

QC Batch: 702736
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384671001, 50384671002

METHOD BLANK: 3422444 Matrix: Water
Associated Lab Samples: 50384671001, 50384671002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.189 ± 0.293 (0.508) C:NA T:95%	pCi/L	10/25/24 14:08	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R3
Pace Project No.: 50384671

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384671001	**MW-10I**	EPA 9056	814012		
50384671002	**DUP 3**	EPA 9056	814012		
50384671001	**MW-10I**	EPA 3010	813622	EPA 6010	814056
50384671002	**DUP 3**	EPA 3010	813622	EPA 6010	814056
50384671001	**MW-10I**	EPA 3010	813513	EPA 6010	813870
50384671002	**DUP 3**	EPA 3010	813513	EPA 6010	813870
50384671001	**MW-10I**	EPA 200.2	813581	EPA 6020	813908
50384671002	**DUP 3**	EPA 200.2	813581	EPA 6020	813908
50384671001	**MW-10I**	EPA 903.1	702736		
50384671002	**DUP 3**	EPA 903.1	702736		
50384671001	**MW-10I**	EPA 904.0	702737		
50384671002	**DUP 3**	EPA 904.0	702737		
50384671001	**MW-10I**	Total Radium Calculation	706453		
50384671002	**DUP 3**	Total Radium Calculation	706453		
50384671001	**MW-10I**	SM 2320B	813437		
50384671002	**DUP 3**	SM 2320B	813437		
50384671001	**MW-10I**	SM 2540C	813964		
50384671002	**DUP 3**	SM 2540C	813964		
50384671001	**MW-10I**	SM 4500-H+B	814233		
50384671002	**DUP 3**	SM 4500-H+B	814233		
50384671001	**MW-10I**	EPA 353.2	813244		
50384671002	**DUP 3**	EPA 353.2	813244		
50384671001	**MW-10I**	SM 5310C	814955		
50384671002	**DUP 3**	SM 5310C	814955		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384671

50384671

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 PIR3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment	Preservation non-conformance identified for sample.
MW-101	GW	G	10/10/24	1045						X	X	X	X	X	X	X	X				
DUP 3	GW	G	10/10/24	0800						X	X	X	X	X	X	X	X				

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Connor Epler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	A	+1.0	1.8	2.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/10/24 1530		10/10/24 1630	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] ~~Client~~ Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

DUP 3 added per client email 101124ag

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/10/24 1710 JT

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 (A) B C D E F G H I
2. **Cooler Temperature(s):** 1.8 | 2.8 (Initial/Corrected) — RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)
3. **Courier:** Circle One — Fed Ex UPS (Client) Pace Now/Jett Other
4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ ~~No~~
   (If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**
5. **Packing Material:** ☐ Bubble Wrap ☑ ~~Bubble Bags~~ ☐ None ☐ Other _____
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No
   Cooler temp should be above freezing to 6°C
   If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 18:40	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		✓

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** ~~HNO3 (<2)~~ ~~H2SO4 (<2)~~ **NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS: Sample point Dup 3 included in cooler but not on COC. See container count JT 10/10/24
Client drop off time off by a hour RC 10-10-24

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS								PLASTIC									OTHER					Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit							
1													1			2	1	2	1	1									WT				
2					Dup		3		10/10/24				1			2	1	2	1	1									WT				
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	✓

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Dear Mr. Breting:

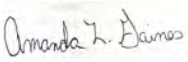
Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384672001	**MW-18S**	Water	10/10/24 11:46	10/10/24 16:30
50384672002	**MW-18I**	Water	10/10/24 10:49	10/10/24 16:30
50384672003	**MW-18D**	Water	10/10/24 09:36	10/10/24 16:30
50384672004	**MW-17S**	Water	10/10/24 13:27	10/10/24 16:30
50384672005	**MW-17I**	Water	10/10/24 14:45	10/10/24 16:30
50384672006	**MW-17D**	Water	10/10/24 13:15	10/10/24 16:30
50384672007	**DUP-7**	Water	10/10/24 08:00	10/10/24 16:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384672001	**MW-18S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384672002	**MW-18I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384672003	**MW-18D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384672004	**MW-17S**	EPA 9056	DMP1	3	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	ELK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384672005	**MW-17I**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384672006	**MW-17D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384672007	**DUP-7**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384672001	**MW-18S**					
EPA 9056	Chloride	36.0	mg/L	2.5	10/18/24 02:24	
EPA 9056	Fluoride	0.22	mg/L	0.10	10/18/24 02:07	
EPA 9056	Sulfate	30.7	mg/L	0.25	10/18/24 02:07	
EPA 6010	Boron	120	ug/L	100	10/16/24 16:42	
EPA 6010	Calcium	65800	ug/L	1000	10/16/24 16:42	
EPA 6010	Magnesium	13800	ug/L	1000	10/16/24 16:42	
EPA 6010	Molybdenum	21.7	ug/L	10.0	10/16/24 16:42	
EPA 6010	Potassium	2570	ug/L	1000	10/16/24 16:42	
EPA 6010	Sodium	27800	ug/L	1000	10/16/24 16:42	
EPA 6010	Molybdenum, Dissolved	22.6	ug/L	10.0	10/18/24 04:41	
EPA 6020	Barium	31.0	ug/L	1.0	10/16/24 02:51	
EPA 903.1	Radium-226	0.176 ± 0.445 (0.826) C:NA T:91%	pCi/L		10/29/24 15:20	
EPA 904.0	Radium-228	0.177 ± 0.423 (0.939) C:73% T:88%	pCi/L		10/30/24 11:36	
Total Radium Calculation	Total Radium	0.353 ± 0.868 (1.77)	pCi/L		10/31/24 15:23	
SM 2320B	Alkalinity, Total as CaCO3	201	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	201	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	314	mg/L	10.0	10/16/24 14:15	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/17/24 12:08	H3
EPA 353.2	Nitrogen, Nitrate	0.21	mg/L	0.10	10/11/24 00:55	
50384672002	**MW-18I**					
EPA 9056	Chloride	44.3	mg/L	2.5	10/18/24 03:31	
EPA 9056	Fluoride	0.16	mg/L	0.10	10/18/24 03:14	
EPA 9056	Sulfate	39.7	mg/L	0.25	10/18/24 03:14	
EPA 6010	Boron	221	ug/L	100	10/16/24 16:56	
EPA 6010	Calcium	64000	ug/L	1000	10/16/24 16:56	
EPA 6010	Lithium	21.7	ug/L	20.0	10/16/24 16:56	
EPA 6010	Magnesium	15100	ug/L	1000	10/16/24 16:56	
EPA 6010	Manganese	50.2	ug/L	10.0	10/16/24 16:56	
EPA 6010	Molybdenum	68.4	ug/L	10.0	10/16/24 16:56	
EPA 6010	Potassium	3090	ug/L	1000	10/16/24 16:56	
EPA 6010	Sodium	24300	ug/L	1000	10/16/24 16:56	
EPA 6010	Molybdenum, Dissolved	71.2	ug/L	10.0	10/18/24 04:47	
EPA 6020	Barium	55.3	ug/L	1.0	10/16/24 02:55	
EPA 6020	Selenium	1.5	ug/L	1.0	10/16/24 02:55	
EPA 903.1	Radium-226	0.268 ± 0.435 (0.757) C:NA T:94%	pCi/L		10/29/24 15:20	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384672002	**MW-18I**					
EPA 904.0	Radium-228	0.268 ± 0.389 (0.839) C:78% T:88%	pCi/L		10/30/24 11:37	
Total Radium Calculation	Total Radium	0.536 ± 0.824 (1.60)	pCi/L		10/31/24 15:23	
SM 2320B	Alkalinity, Total as CaCO3	188	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	174	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Carbonate (CaCO3)	14.0	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	311	mg/L	10.0	10/16/24 14:15	
SM 4500-H+B	pH at 25 Degrees C	7.9	Std. Units	0.10	10/17/24 12:09	H3
EPA 353.2	Nitrogen, Nitrate	1.1	mg/L	0.10	10/11/24 00:53	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	10/22/24 22:09	
50384672003	**MW-18D**					
EPA 9056	Chloride	127	mg/L	2.5	10/18/24 04:21	
EPA 9056	Fluoride	0.14	mg/L	0.10	10/18/24 04:05	
EPA 9056	Sulfate	175	mg/L	2.5	10/18/24 04:21	
EPA 6010	Boron	3960	ug/L	100	10/16/24 16:58	
EPA 6010	Calcium	107000	ug/L	1000	10/16/24 16:58	
EPA 6010	Iron	544	ug/L	100	10/16/24 16:58	
EPA 6010	Lithium	97.1	ug/L	20.0	10/16/24 16:58	
EPA 6010	Magnesium	20600	ug/L	1000	10/16/24 16:58	
EPA 6010	Manganese	437	ug/L	10.0	10/16/24 16:58	
EPA 6010	Molybdenum	167	ug/L	10.0	10/16/24 16:58	
EPA 6010	Potassium	7280	ug/L	1000	10/16/24 16:58	
EPA 6010	Sodium	85800	ug/L	1000	10/16/24 16:58	
EPA 6010	Molybdenum, Dissolved	166	ug/L	10.0	10/18/24 04:50	
EPA 6020	Barium	97.0	ug/L	1.0	10/16/24 03:07	
EPA 903.1	Radium-226	0.917 ± 0.582 (0.751) C:NA T:87%	pCi/L		10/29/24 15:20	
EPA 904.0	Radium-228	0.969 ± 0.516 (0.948) C:77% T:84%	pCi/L		10/30/24 11:37	
Total Radium Calculation	Total Radium	1.89 ± 1.10 (1.70)	pCi/L		10/31/24 15:23	
SM 2320B	Alkalinity, Total as CaCO3	211	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	211	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	651	mg/L	10.0	10/16/24 14:16	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/17/24 12:10	H3
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	10/22/24 22:20	
50384672004	**MW-17S**					
EPA 9056	Chloride	33.9	mg/L	2.5	10/18/24 05:12	
EPA 9056	Fluoride	0.17	mg/L	0.10	10/18/24 04:55	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384672004	**MW-17S**					
EPA 9056	Sulfate	29.9	mg/L	0.25	10/18/24 04:55	
EPA 6010	Boron	349	ug/L	100	10/16/24 17:00	
EPA 6010	Calcium	101000	ug/L	1000	10/16/24 17:00	
EPA 6010	Iron	155	ug/L	100	10/16/24 17:00	
EPA 6010	Magnesium	21400	ug/L	1000	10/16/24 17:00	
EPA 6010	Molybdenum	16.1	ug/L	10.0	10/16/24 17:00	
EPA 6010	Potassium	3440	ug/L	1000	10/16/24 17:00	
EPA 6010	Sodium	23900	ug/L	1000	10/16/24 17:00	
EPA 6010	Molybdenum, Dissolved	15.5	ug/L	10.0	10/18/24 04:52	
EPA 6020	Barium	119	ug/L	1.0	10/16/24 03:11	
EPA 6020	Selenium	1.5	ug/L	1.0	10/16/24 03:11	
EPA 903.1	Radium-226	0.208 ± 0.479 (0.866) C:NA T:97%	pCi/L		10/29/24 15:20	
EPA 904.0	Radium-228	-0.0102 ± 0.315 (0.736) C:74% T:93%	pCi/L		10/30/24 11:37	
Total Radium Calculation	Total Radium	0.208 ± 0.794 (1.60)	pCi/L		10/31/24 15:23	
SM 2320B	Alkalinity, Total as CaCO3	315	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	315	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	425	mg/L	10.0	10/16/24 14:16	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/17/24 12:10	H3
EPA 353.2	Nitrogen, Nitrate	4.5	mg/L	0.10	10/11/24 01:03	
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	1.0	10/22/24 22:31	
50384672005	**MW-17I**					
EPA 9056	Chloride	42.2	mg/L	2.5	10/18/24 05:45	
EPA 9056	Fluoride	0.15	mg/L	0.10	10/18/24 05:28	
EPA 9056	Sulfate	39.0	mg/L	0.25	10/18/24 05:28	
EPA 6010	Boron	518	ug/L	100	10/16/24 17:02	
EPA 6010	Calcium	88300	ug/L	1000	10/16/24 17:02	
EPA 6010	Magnesium	21700	ug/L	1000	10/16/24 17:02	
EPA 6010	Manganese	16.3	ug/L	10.0	10/16/24 17:02	
EPA 6010	Potassium	2310	ug/L	1000	10/16/24 17:02	
EPA 6010	Sodium	30900	ug/L	1000	10/16/24 17:02	
EPA 6020	Barium	53.1	ug/L	1.0	10/16/24 03:15	
EPA 903.1	Radium-226	0.338 ± 0.480 (0.812) C:NA T:89%	pCi/L		10/29/24 15:20	
EPA 904.0	Radium-228	0.246 ± 0.320 (0.682) C:76% T:94%	pCi/L		10/30/24 11:37	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384672005	**MW-17I**					
Total Radium Calculation	Total Radium	0.584 ± 0.800 (1.49)	pCi/L		10/31/24 15:23	
SM 2320B	Alkalinity, Total as CaCO3	272	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	398	mg/L	10.0	10/16/24 14:16	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/17/24 12:12	H3
EPA 353.2	Nitrogen, Nitrate	1.2	mg/L	0.10	10/11/24 01:04	
SM 5310C	Dissolved Organic Carbon	4.5	mg/L	1.0	10/22/24 22:41	
50384672006	**MW-17D**					
EPA 9056	Chloride	70.7	mg/L	2.5	10/18/24 06:52	
EPA 9056	Sulfate	124	mg/L	2.5	10/18/24 06:52	
EPA 6010	Boron	2710	ug/L	100	10/16/24 17:05	
EPA 6010	Calcium	90400	ug/L	1000	10/16/24 17:05	
EPA 6010	Iron	1560	ug/L	100	10/16/24 17:05	
EPA 6010	Lithium	39.4	ug/L	20.0	10/16/24 17:05	
EPA 6010	Magnesium	23600	ug/L	1000	10/16/24 17:05	
EPA 6010	Manganese	302	ug/L	10.0	10/16/24 17:05	
EPA 6010	Molybdenum	15.9	ug/L	10.0	10/16/24 17:05	
EPA 6010	Potassium	3020	ug/L	1000	10/16/24 17:05	
EPA 6010	Sodium	50100	ug/L	1000	10/16/24 17:05	
EPA 6010	Molybdenum, Dissolved	17.5	ug/L	10.0	10/18/24 04:56	
EPA 6020	Arsenic	4.0	ug/L	1.0	10/16/24 03:19	
EPA 6020	Barium	57.7	ug/L	1.0	10/16/24 03:19	
EPA 903.1	Radium-226	0.855 ± 0.732 (1.14) C:NA T:96%	pCi/L		10/29/24 15:20	
EPA 904.0	Radium-228	0.113 ± 0.443 (0.998) C:73% T:89%	pCi/L		10/30/24 11:37	
Total Radium Calculation	Total Radium	0.968 ± 1.18 (2.14)	pCi/L		10/31/24 15:23	
SM 2320B	Alkalinity, Total as CaCO3	242	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	492	mg/L	10.0	10/16/24 14:17	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/17/24 12:13	H3
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	10/22/24 22:52	
50384672007	**DUP-7**					
EPA 9056	Chloride	128	mg/L	2.5	10/18/24 07:26	
EPA 9056	Fluoride	0.14	mg/L	0.10	10/18/24 07:09	
EPA 9056	Sulfate	175	mg/L	2.5	10/18/24 07:26	
EPA 6010	Boron	3960	ug/L	100	10/16/24 17:07	
EPA 6010	Calcium	106000	ug/L	1000	10/16/24 17:07	
EPA 6010	Iron	599	ug/L	100	10/16/24 17:07	
EPA 6010	Lithium	96.0	ug/L	20.0	10/16/24 17:07	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384672007	**DUP-7**					
EPA 6010	Magnesium	20400	ug/L	1000	10/16/24 17:07	
EPA 6010	Manganese	435	ug/L	10.0	10/16/24 17:07	
EPA 6010	Molybdenum	166	ug/L	10.0	10/16/24 17:07	
EPA 6010	Potassium	7250	ug/L	1000	10/16/24 17:07	
EPA 6010	Sodium	85500	ug/L	1000	10/16/24 17:07	
EPA 6010	Molybdenum, Dissolved	170	ug/L	10.0	10/18/24 04:58	
EPA 6020	Arsenic	1.2	ug/L	1.0	10/16/24 03:23	
EPA 6020	Barium	97.8	ug/L	1.0	10/16/24 03:23	
EPA 903.1	Radium-226	0.289 ± 0.842 (1.50) C:NA T:86%	pCi/L		10/29/24 15:20	
EPA 904.0	Radium-228	0.695 ± 0.540 (1.08) C:71% T:80%	pCi/L		10/30/24 11:38	
Total Radium Calculation	Total Radium	0.984 ± 1.38 (2.58)	pCi/L		10/31/24 15:23	
SM 2320B	Alkalinity, Total as CaCO3	211	mg/L	10.0	10/11/24 20:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	211	mg/L	10.0	10/11/24 20:38	
SM 2540C	Total Dissolved Solids	665	mg/L	10.0	10/16/24 14:18	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/17/24 14:34	H3
SM 5310C	Dissolved Organic Carbon	1.0	mg/L	1.0	10/22/24 23:28	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18S **Lab ID: 50384672001** Collected: 10/10/24 11:46 Received: 10/10/24 16:30 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**36.0**	mg/L	2.5	1.3	10		10/18/24 02:24	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.016	1		10/18/24 02:07	16984-48-8	
Sulfate	**30.7**	mg/L	0.25	0.19	1		10/18/24 02:07	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**120**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 16:42	7440-42-8	
Calcium	**65800**	ug/L	1000	83.9	1	10/14/24 16:11	10/16/24 16:42	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 16:42	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 16:42	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 16:42	7439-93-2	
Magnesium	**13800**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 16:42	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 16:42	7439-96-5	
Molybdenum	**21.7**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 16:42	7439-98-7	
Potassium	**2570**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 16:42	7440-09-7	
Sodium	**27800**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 16:42	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**22.6**	ug/L	10.0	1.4	1	10/14/24 19:54	10/18/24 04:41	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 02:51	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 02:51	7440-38-2	
Barium	**31.0**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 02:51	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 02:51	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 02:51	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**201**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**201**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**314**	mg/L	10.0	10.0	1		10/16/24 14:15		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/17/24 12:08		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18S **Lab ID: 50384672001** Collected: 10/10/24 11:46 Received: 10/10/24 16:30 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.21**	mg/L	0.10	0.013	1		10/11/24 00:55	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	1.0	4		10/23/24 09:31		D3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18I **Lab ID: 50384672002** Collected: 10/10/24 10:49 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**44.3**	mg/L	2.5	1.3	10		10/18/24 03:31	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.016	1		10/18/24 03:14	16984-48-8	
Sulfate	**39.7**	mg/L	0.25	0.19	1		10/18/24 03:14	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**221**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 16:56	7440-42-8	
Calcium	**64000**	ug/L	1000	83.9	1	10/14/24 16:11	10/16/24 16:56	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 16:56	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 16:56	7439-92-1	
Lithium	**21.7**	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 16:56	7439-93-2	
Magnesium	**15100**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 16:56	7439-95-4	
Manganese	**50.2**	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 16:56	7439-96-5	
Molybdenum	**68.4**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 16:56	7439-98-7	
Potassium	**3090**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 16:56	7440-09-7	
Sodium	**24300**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 16:56	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**71.2**	ug/L	10.0	1.4	1	10/14/24 19:54	10/18/24 04:47	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 02:55	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 02:55	7440-38-2	
Barium	**55.3**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 02:55	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 02:55	7440-48-4	
Selenium	**1.5**	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 02:55	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**188**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**174**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	**14.0**	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**311**	mg/L	10.0	10.0	1		10/16/24 14:15		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.10	1		10/17/24 12:09		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18I **Lab ID: 50384672002** Collected: 10/10/24 10:49 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.1**	mg/L	0.10	0.013	1		10/11/24 00:53	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.25	1		10/22/24 22:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18D **Lab ID: 50384672003** Collected: 10/10/24 09:36 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**127**	mg/L	2.5	1.3	10		10/18/24 04:21	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.016	1		10/18/24 04:05	16984-48-8	
Sulfate	**175**	mg/L	2.5	1.9	10		10/18/24 04:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3960**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 16:58	7440-42-8	
Calcium	**107000**	ug/L	1000	83.9	1	10/14/24 16:11	10/16/24 16:58	7440-70-2	
Iron	**544**	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 16:58	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 16:58	7439-92-1	
Lithium	**97.1**	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 16:58	7439-93-2	
Magnesium	**20600**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 16:58	7439-95-4	
Manganese	**437**	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 16:58	7439-96-5	
Molybdenum	**167**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 16:58	7439-98-7	
Potassium	**7280**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 16:58	7440-09-7	
Sodium	**85800**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 16:58	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**166**	ug/L	10.0	1.4	1	10/14/24 19:54	10/18/24 04:50	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 03:07	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 03:07	7440-38-2	
Barium	**97.0**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 03:07	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 03:07	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 03:07	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**211**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**211**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**651**	mg/L	10.0	10.0	1		10/16/24 14:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/17/24 12:10		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18D **Lab ID: 50384672003** Collected: 10/10/24 09:36 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/11/24 00:50	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.3**	mg/L	1.0	0.25	1		10/22/24 22:20		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17S **Lab ID: 50384672004** Collected: 10/10/24 13:27 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**33.9**	mg/L	2.5	1.3	10		10/18/24 05:12	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.016	1		10/18/24 04:55	16984-48-8	
Sulfate	**29.9**	mg/L	0.25	0.19	1		10/18/24 04:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**349**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 17:00	7440-42-8	
Calcium	**101000**	ug/L	1000	83.9	1	10/14/24 16:11	10/16/24 17:00	7440-70-2	
Iron	**155**	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 17:00	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 17:00	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 17:00	7439-93-2	
Magnesium	**21400**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 17:00	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 17:00	7439-96-5	
Molybdenum	**16.1**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 17:00	7439-98-7	
Potassium	**3440**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 17:00	7440-09-7	
Sodium	**23900**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 17:00	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**15.5**	ug/L	10.0	1.4	1	10/14/24 19:54	10/18/24 04:52	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 03:11	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 03:11	7440-38-2	
Barium	**119**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 03:11	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 03:11	7440-48-4	
Selenium	**1.5**	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 03:11	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**315**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**315**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**425**	mg/L	10.0	10.0	1		10/16/24 14:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/17/24 12:10		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17S **Lab ID: 50384672004** Collected: 10/10/24 13:27 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.5**	mg/L	0.10	0.013	1		10/11/24 01:03	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.5**	mg/L	1.0	0.25	1		10/22/24 22:31		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17I **Lab ID: 50384672005** Collected: 10/10/24 14:45 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**42.2**	mg/L	2.5	1.3	10		10/18/24 05:45	16887-00-6	
Fluoride	**0.15**	mg/L	0.10	0.016	1		10/18/24 05:28	16984-48-8	
Sulfate	**39.0**	mg/L	0.25	0.19	1		10/18/24 05:28	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**518**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 17:02	7440-42-8	
Calcium	**88300**	ug/L	1000	83.9	1	10/14/24 16:11	10/16/24 17:02	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 17:02	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 17:02	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 17:02	7439-93-2	
Magnesium	**21700**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 17:02	7439-95-4	
Manganese	**16.3**	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 17:02	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 17:02	7439-98-7	
Potassium	**2310**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 17:02	7440-09-7	
Sodium	**30900**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 17:02	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/14/24 19:54	10/18/24 04:54	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 03:15	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 03:15	7440-38-2	
Barium	**53.1**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 03:15	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 03:15	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 03:15	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**272**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**398**	mg/L	10.0	10.0	1		10/16/24 14:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/17/24 12:12		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17I **Lab ID: 50384672005** Collected: 10/10/24 14:45 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.2**	mg/L	0.10	0.013	1		10/11/24 01:04	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.5**	mg/L	1.0	0.25	1		10/22/24 22:41		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17D **Lab ID: 50384672006** Collected: 10/10/24 13:15 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**70.7**	mg/L	2.5	1.3	10		10/18/24 06:52	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/18/24 06:36	16984-48-8	
Sulfate	**124**	mg/L	2.5	1.9	10		10/18/24 06:52	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2710**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 17:05	7440-42-8	
Calcium	**90400**	ug/L	1000	83.9	1	10/14/24 16:11	10/16/24 17:05	7440-70-2	
Iron	**1560**	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 17:05	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 17:05	7439-92-1	
Lithium	**39.4**	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 17:05	7439-93-2	
Magnesium	**23600**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 17:05	7439-95-4	
Manganese	**302**	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 17:05	7439-96-5	
Molybdenum	**15.9**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 17:05	7439-98-7	
Potassium	**3020**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 17:05	7440-09-7	
Sodium	**50100**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 17:05	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**17.5**	ug/L	10.0	1.4	1	10/14/24 19:54	10/18/24 04:56	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 03:19	7440-36-0	
Arsenic	**4.0**	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 03:19	7440-38-2	
Barium	**57.7**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 03:19	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 03:19	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 03:19	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**242**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**242**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**492**	mg/L	10.0	10.0	1		10/16/24 14:17		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/17/24 12:13		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17D **Lab ID: 50384672006** Collected: 10/10/24 13:15 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/11/24 00:57	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.25	1		10/22/24 22:52		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: DUP-7 **Lab ID: 50384672007** Collected: 10/10/24 08:00 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**128**	mg/L	2.5	1.3	10		10/18/24 07:26	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.016	1		10/18/24 07:09	16984-48-8	
Sulfate	**175**	mg/L	2.5	1.9	10		10/18/24 07:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3960**	ug/L	100	5.6	1	10/14/24 16:11	10/16/24 17:07	7440-42-8	
Calcium	**106000**	ug/L	1000	83.9	1	10/14/24 16:11	10/16/24 17:07	7440-70-2	
Iron	**599**	ug/L	100	41.0	1	10/14/24 16:11	10/16/24 17:07	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/14/24 16:11	10/16/24 17:07	7439-92-1	
Lithium	**96.0**	ug/L	20.0	3.8	1	10/14/24 16:11	10/16/24 17:07	7439-93-2	
Magnesium	**20400**	ug/L	1000	53.7	1	10/14/24 16:11	10/16/24 17:07	7439-95-4	
Manganese	**435**	ug/L	10.0	0.77	1	10/14/24 16:11	10/16/24 17:07	7439-96-5	
Molybdenum	**166**	ug/L	10.0	1.4	1	10/14/24 16:11	10/16/24 17:07	7439-98-7	
Potassium	**7250**	ug/L	1000	113	1	10/14/24 16:11	10/16/24 17:07	7440-09-7	
Sodium	**85500**	ug/L	1000	95.0	1	10/14/24 16:11	10/16/24 17:07	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**170**	ug/L	10.0	1.4	1	10/14/24 19:54	10/18/24 04:58	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/15/24 09:00	10/16/24 03:23	7440-36-0	
Arsenic	**1.2**	ug/L	1.0	0.080	1	10/15/24 09:00	10/16/24 03:23	7440-38-2	
Barium	**97.8**	ug/L	1.0	0.11	1	10/15/24 09:00	10/16/24 03:23	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/15/24 09:00	10/16/24 03:23	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/15/24 09:00	10/16/24 03:23	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**211**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Bicarbonate (CaCO3)	**211**	mg/L	10.0	10.0	1		10/11/24 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/11/24 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**665**	mg/L	10.0	10.0	1		10/16/24 14:18		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/17/24 14:34		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: DUP-7 **Lab ID: 50384672007** Collected: 10/10/24 08:00 Received: 10/10/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/11/24 00:48	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.0**	mg/L	1.0	0.25	1		10/22/24 23:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 814012
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3723553 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/17/24 11:02	
Fluoride	mg/L	ND	0.10	0.016	10/17/24 11:02	
Sulfate	mg/L	ND	0.25	0.19	10/17/24 11:02	

LABORATORY CONTROL SAMPLE: 3723554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	93	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723555 3723556

Parameter	Units	50384753001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	506	250	250	726	724	88	87	80-120	0	15	
Fluoride	mg/L	0.34	1	1	1.3	1.3	96	94	80-120	1	15	
Sulfate	mg/L	80.4	50	50	126	126	92	91	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 813622
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3722059 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/16/24 16:25	
Calcium	ug/L	ND	1000	83.9	10/16/24 16:25	
Iron	ug/L	ND	100	41.0	10/16/24 16:25	
Lead	ug/L	ND	10.0	2.0	10/16/24 16:25	
Lithium	ug/L	ND	20.0	3.8	10/16/24 16:25	
Magnesium	ug/L	ND	1000	53.7	10/16/24 16:25	
Manganese	ug/L	ND	10.0	0.77	10/16/24 16:25	
Molybdenum	ug/L	ND	10.0	1.4	10/16/24 16:25	
Potassium	ug/L	ND	1000	113	10/16/24 16:25	
Sodium	ug/L	ND	1000	95.0	10/16/24 16:25	

LABORATORY CONTROL SAMPLE: 3722060

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	971	97	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Iron	ug/L	10000	10000	100	80-120	
Lead	ug/L	1000	977	98	80-120	
Lithium	ug/L	1000	985	98	80-120	
Magnesium	ug/L	10000	9840	98	80-120	
Manganese	ug/L	1000	1020	102	80-120	
Molybdenum	ug/L	1000	1040	104	80-120	
Potassium	ug/L	10000	9900	99	80-120	
Sodium	ug/L	10000	9830	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722061 3722062

Parameter	Units	50384859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	421	1000	1000	1410	1370	99	95	75-125	3	20	
Calcium	ug/L	128000	10000	10000	138000	131000	92	31	75-125	5	20	P6
Iron	ug/L	759	10000	10000	10600	10300	98	95	75-125	3	20	
Lead	ug/L	ND	1000	1000	946	911	95	91	75-125	4	20	
Lithium	ug/L	20.5	1000	1000	983	952	96	93	75-125	3	20	
Magnesium	ug/L	29400	10000	10000	38800	37200	94	78	75-125	4	20	
Manganese	ug/L	903	1000	1000	1890	1820	99	91	75-125	4	20	
Molybdenum	ug/L	ND	1000	1000	1040	1000	104	100	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722061 3722062

Parameter	Units	50384859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	1350	10000	10000	11200	10800	99	94	75-125	4	20	
Sodium	ug/L	106000	10000	10000	114000	109000	85	36	75-125	4	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 813531
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3721762 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/18/24 04:39	

LABORATORY CONTROL SAMPLE: 3721763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721764 3721765

Parameter	Units	50384790008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1030	1020	102	102	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 813581
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3721904 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/16/24 01:59	
Arsenic	ug/L	ND	1.0	0.080	10/16/24 01:59	
Barium	ug/L	ND	1.0	0.11	10/16/24 01:59	
Cobalt	ug/L	ND	1.0	0.045	10/16/24 01:59	
Selenium	ug/L	ND	1.0	0.26	10/16/24 01:59	

LABORATORY CONTROL SAMPLE: 3721905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.5	104	80-120	
Arsenic	ug/L	40	40.6	102	80-120	
Barium	ug/L	40	38.0	95	80-120	
Cobalt	ug/L	40	40.6	102	80-120	
Selenium	ug/L	40	38.7	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721906 3721907

Parameter	Units	50384859002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	39.8	38.0	99	94	75-125	5	20	
Arsenic	ug/L	426	40	40	481	466	137	99	75-125	3	20	P6
Barium	ug/L	1240	40	40	1320	1280	196	99	75-125	3	20	E,P6
Cobalt	ug/L	ND	40	40	38.2	37.1	92	90	75-125	3	20	
Selenium	ug/L	ND	40	40	35.4	35.6	88	88	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 813437 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3721144 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/11/24 20:38	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 20:38	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/11/24 20:38	

LABORATORY CONTROL SAMPLE: 3721145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.4	97	90-110	

SAMPLE DUPLICATE: 3721146

Parameter	Units	50384726001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	348	356	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	348	356	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3721147

Parameter	Units	50384721002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	389	399	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	389	399	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 813964
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3723381 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/16/24 14:12	

LABORATORY CONTROL SAMPLE: 3723382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	80-120	

SAMPLE DUPLICATE: 3723383

Parameter	Units	50384671001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1400	1370	2	10	

SAMPLE DUPLICATE: 3723384

Parameter	Units	50384672001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	314	314	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 814233
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006

SAMPLE DUPLICATE: 3724478

Parameter	Units	50385045001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	0	2	H3

SAMPLE DUPLICATE: 3724479

Parameter	Units	50384672006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.8	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 814235
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50384672007

SAMPLE DUPLICATE: 3724497

Parameter	Units	50384672007 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	2	H3

SAMPLE DUPLICATE: 3724498

Parameter	Units	50384796002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.3	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 813244
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3720215 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/11/24 00:18	

LABORATORY CONTROL SAMPLE: 3720216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3720217 3720218

Parameter	Units	50384604004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.5	5	5	9.4	9.5	99	101	90-110	1	20	

MATRIX SPIKE SAMPLE: 3720219

Parameter	Units	50384672005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1	2.2	103	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 814955
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3727542 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/22/24 21:14	

LABORATORY CONTROL SAMPLE: 3727543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727544 3727545

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.7	10	10	11.2	11.0	95	93	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727546

Parameter	Units	50384957004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.7	10	11.8	91	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18S **Lab ID: 50384672001** Collected: 10/10/24 11:46 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.176 ± 0.445 (0.826) C:NA T:91%**	pCi/L	10/29/24 15:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.177 ± 0.423 (0.939) C:73% T:88%**	pCi/L	10/30/24 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.353 ± 0.868 (1.77)**	pCi/L	10/31/24 15:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18I **Lab ID: 50384672002** Collected: 10/10/24 10:49 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.268 ± 0.435 (0.757) C:NA T:94%**	pCi/L	10/29/24 15:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.268 ± 0.389 (0.839) C:78% T:88%**	pCi/L	10/30/24 11:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.536 ± 0.824 (1.60)**	pCi/L	10/31/24 15:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-18D **Lab ID: 50384672003** Collected: 10/10/24 09:36 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.917 ± 0.582 (0.751) C:NA T:87%**	pCi/L	10/29/24 15:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.969 ± 0.516 (0.948) C:77% T:84%**	pCi/L	10/30/24 11:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.89 ± 1.10 (1.70)**	pCi/L	10/31/24 15:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17S **Lab ID: 50384672004** Collected: 10/10/24 13:27 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.208 ± 0.479 (0.866) C:NA T:97%**	pCi/L	10/29/24 15:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.0102 ± 0.315 (0.736) C:74% T:93%**	pCi/L	10/30/24 11:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.208 ± 0.794 (1.60)**	pCi/L	10/31/24 15:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17I **Lab ID: 50384672005** Collected: 10/10/24 14:45 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.338 ± 0.480 (0.812) C:NA T:89%**	pCi/L	10/29/24 15:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.246 ± 0.320 (0.682) C:76% T:94%**	pCi/L	10/30/24 11:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.584 ± 0.800 (1.49)**	pCi/L	10/31/24 15:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: MW-17D **Lab ID: 50384672006** Collected: 10/10/24 13:15 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.855 ± 0.732 (1.14) C:NA T:96%**	pCi/L	10/29/24 15:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.113 ± 0.443 (0.998) C:73% T:89%**	pCi/L	10/30/24 11:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.968 ± 1.18 (2.14)**	pCi/L	10/31/24 15:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Sample: DUP-7 **Lab ID: 50384672007** Collected: 10/10/24 08:00 Received: 10/10/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.289 ± 0.842 (1.50) C:NA T:86%**	pCi/L	10/29/24 15:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.695 ± 0.540 (1.08) C:71% T:80%**	pCi/L	10/30/24 11:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.984 ± 1.38 (2.58)**	pCi/L	10/31/24 15:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 702963 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3423324 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0423 ± 0.193 (0.393) C:NA T:97%	pCi/L	10/29/24 15:20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

QC Batch: 702964 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

METHOD BLANK: 3423333 Matrix: Water
Associated Lab Samples: 50384672001, 50384672002, 50384672003, 50384672004, 50384672005, 50384672006, 50384672007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0260 ± 0.274 (0.643) C:75% T:91%	pCi/L	10/30/24 11:39	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384672001	**MW-18S**	EPA 9056	814012		
50384672002	**MW-18I**	EPA 9056	814012		
50384672003	**MW-18D**	EPA 9056	814012		
50384672004	**MW-17S**	EPA 9056	814012		
50384672005	**MW-17I**	EPA 9056	814012		
50384672006	**MW-17D**	EPA 9056	814012		
50384672007	**DUP-7**	EPA 9056	814012		
50384672001	**MW-18S**	EPA 3010	813622	EPA 6010	814056
50384672002	**MW-18I**	EPA 3010	813622	EPA 6010	814056
50384672003	**MW-18D**	EPA 3010	813622	EPA 6010	814056
50384672004	**MW-17S**	EPA 3010	813622	EPA 6010	814056
50384672005	**MW-17I**	EPA 3010	813622	EPA 6010	814056
50384672006	**MW-17D**	EPA 3010	813622	EPA 6010	814056
50384672007	**DUP-7**	EPA 3010	813622	EPA 6010	814056
50384672001	**MW-18S**	EPA 3010	813531	EPA 6010	814374
50384672002	**MW-18I**	EPA 3010	813531	EPA 6010	814374
50384672003	**MW-18D**	EPA 3010	813531	EPA 6010	814374
50384672004	**MW-17S**	EPA 3010	813531	EPA 6010	814374
50384672005	**MW-17I**	EPA 3010	813531	EPA 6010	814374
50384672006	**MW-17D**	EPA 3010	813531	EPA 6010	814374
50384672007	**DUP-7**	EPA 3010	813531	EPA 6010	814374
50384672001	**MW-18S**	EPA 200.2	813581	EPA 6020	813908
50384672002	**MW-18I**	EPA 200.2	813581	EPA 6020	813908
50384672003	**MW-18D**	EPA 200.2	813581	EPA 6020	813908
50384672004	**MW-17S**	EPA 200.2	813581	EPA 6020	813908
50384672005	**MW-17I**	EPA 200.2	813581	EPA 6020	813908
50384672006	**MW-17D**	EPA 200.2	813581	EPA 6020	813908
50384672007	**DUP-7**	EPA 200.2	813581	EPA 6020	813908
50384672001	**MW-18S**	EPA 903.1	702963		
50384672002	**MW-18I**	EPA 903.1	702963		
50384672003	**MW-18D**	EPA 903.1	702963		
50384672004	**MW-17S**	EPA 903.1	702963		
50384672005	**MW-17I**	EPA 903.1	702963		
50384672006	**MW-17D**	EPA 903.1	702963		
50384672007	**DUP-7**	EPA 903.1	702963		
50384672001	**MW-18S**	EPA 904.0	702964		
50384672002	**MW-18I**	EPA 904.0	702964		
50384672003	**MW-18D**	EPA 904.0	702964		
50384672004	**MW-17S**	EPA 904.0	702964		
50384672005	**MW-17I**	EPA 904.0	702964		
50384672006	**MW-17D**	EPA 904.0	702964		
50384672007	**DUP-7**	EPA 904.0	702964		
50384672001	**MW-18S**	Total Radium Calculation	706613		
50384672002	**MW-18I**	Total Radium Calculation	706613		
50384672003	**MW-18D**	Total Radium Calculation	706613		
50384672004	**MW-17S**	Total Radium Calculation	706613		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384672

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384672005	**MW-17I**	Total Radium Calculation	706613		
50384672006	**MW-17D**	Total Radium Calculation	706613		
50384672007	**DUP-7**	Total Radium Calculation	706613		
50384672001	**MW-18S**	SM 2320B	813437		
50384672002	**MW-18I**	SM 2320B	813437		
50384672003	**MW-18D**	SM 2320B	813437		
50384672004	**MW-17S**	SM 2320B	813437		
50384672005	**MW-17I**	SM 2320B	813437		
50384672006	**MW-17D**	SM 2320B	813437		
50384672007	**DUP-7**	SM 2320B	813437		
50384672001	**MW-18S**	SM 2540C	813964		
50384672002	**MW-18I**	SM 2540C	813964		
50384672003	**MW-18D**	SM 2540C	813964		
50384672004	**MW-17S**	SM 2540C	813964		
50384672005	**MW-17I**	SM 2540C	813964		
50384672006	**MW-17D**	SM 2540C	813964		
50384672007	**DUP-7**	SM 2540C	813964		
50384672001	**MW-18S**	SM 4500-H+B	814233		
50384672002	**MW-18I**	SM 4500-H+B	814233		
50384672003	**MW-18D**	SM 4500-H+B	814233		
50384672004	**MW-17S**	SM 4500-H+B	814233		
50384672005	**MW-17I**	SM 4500-H+B	814233		
50384672006	**MW-17D**	SM 4500-H+B	814233		
50384672007	**DUP-7**	SM 4500-H+B	814235		
50384672001	**MW-18S**	EPA 353.2	813244		
50384672002	**MW-18I**	EPA 353.2	813244		
50384672003	**MW-18D**	EPA 353.2	813244		
50384672004	**MW-17S**	EPA 353.2	813244		
50384672005	**MW-17I**	EPA 353.2	813244		
50384672006	**MW-17D**	EPA 353.2	813244		
50384672007	**DUP-7**	EPA 353.2	813244		
50384672001	**MW-18S**	SM 5310C	814955		
50384672002	**MW-18I**	SM 5310C	814955		
50384672003	**MW-18D**	SM 5310C	814955		
50384672004	**MW-17S**	SM 5310C	814955		
50384672005	**MW-17I**	SM 5310C	814955		
50384672006	**MW-17D**	SM 5310C	814955		
50384672007	**DUP-7**	SM 5310C	814955		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384672

50384672

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 PIR4	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 8020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-18S	GW	G	10-10-24	1146						X	X	X	X	X	X	X	X	001
MW-18I				1049														002
MW-18D				0936														003
MW-17S				1327														004
MW-17I				1445														005
MW-17D				1315														006
DUP-7				—														007

Lab Use Only

Proj. Mgr: **Will Statz**

AcctNum / Client ID:

Table #:

Profile / Template: **10498-62**

Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 100mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Mylah Bertram / Connor Eder

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	A	+1.0	0.8	1.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	10-10-24/		10/10/24 1630	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/10/24 1720 QT

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 (A) B C D E F G H I

2. **Cooler Temperature(s):** 0.8/1.8 | 2.1/3.1 | | |
(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrates	✓	
Time **5035A TC placed in Freezer or Short Holds To Lab**	Time: 18:40	
Rush **TAT Requested (4 days or less):**		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		✓

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** ~~HNO3 (<2)~~ ~~H2SO4 (<2)~~ **NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER								
			MeOH (only)																													
			SBS																													
			DI																													
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													1			2	1	2	1	1									WT				
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																✓

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Dear Mr. Breting:

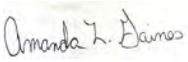
Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384839001	**MW-4S**	Water	10/11/24 14:40	10/11/24 16:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384839001	**MW-4S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384839001	**MW-4S**					
EPA 9056	Chloride	498	mg/L	25.0	10/24/24 19:51	
EPA 9056	Fluoride	0.40	mg/L	0.10	10/24/24 19:14	
EPA 9056	Sulfate	1620	mg/L	25.0	10/24/24 19:51	
EPA 6010	Boron	5320	ug/L	100	10/23/24 17:14	
EPA 6010	Calcium	491000	ug/L	5000	10/23/24 19:48	
EPA 6010	Lithium	153	ug/L	20.0	10/23/24 17:14	
EPA 6010	Magnesium	117000	ug/L	1000	10/23/24 17:14	
EPA 6010	Molybdenum	239	ug/L	10.0	10/23/24 17:14	
EPA 6010	Potassium	24900	ug/L	1000	10/23/24 17:14	
EPA 6010	Sodium	377000	ug/L	5000	10/23/24 19:48	
EPA 6010	Molybdenum, Dissolved	228	ug/L	10.0	10/22/24 04:03	
EPA 6020	Arsenic	6.4	ug/L	1.0	10/19/24 05:51	
EPA 6020	Barium	177	ug/L	1.0	10/19/24 05:51	
EPA 6020	Selenium	5.1	ug/L	1.0	10/19/24 05:51	
EPA 903.1	Radium-226	0.327 ± 0.753 (1.36) C:NA T:86%	pCi/L		10/23/24 13:43	
EPA 904.0	Radium-228	0.393 ± 0.363 (0.738) C:80% T:82%	pCi/L		10/23/24 11:37	
Total Radium Calculation	Total Radium	0.720 ± 1.12 (2.10)	pCi/L		10/24/24 16:09	
SM 2320B	Alkalinity, Total as CaCO3	219	mg/L	10.0	10/17/24 01:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	219	mg/L	10.0	10/17/24 01:45	
SM 2540C	Total Dissolved Solids	3430	mg/L	40.0	10/17/24 13:28	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	10/17/24 14:46	H3
EPA 353.2	Nitrogen, Nitrate	3.8	mg/L	0.10	10/12/24 00:38	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Sample: MW-4S **Lab ID: 50384839001** Collected: 10/11/24 14:40 Received: 10/11/24 16:00 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**498**	mg/L	25.0	13.0	100		10/24/24 19:51	16887-00-6	
Fluoride	**0.40**	mg/L	0.10	0.016	1		10/24/24 19:14	16984-48-8	
Sulfate	**1620**	mg/L	25.0	19.0	100		10/24/24 19:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**5320**	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:14	7440-42-8	
Calcium	**491000**	ug/L	5000	420	5	10/21/24 19:42	10/23/24 19:48	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:14	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:14	7439-92-1	
Lithium	**153**	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:14	7439-93-2	
Magnesium	**117000**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:14	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:14	7439-96-5	
Molybdenum	**239**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:14	7439-98-7	
Potassium	**24900**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:14	7440-09-7	
Sodium	**377000**	ug/L	5000	475	5	10/21/24 19:42	10/23/24 19:48	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**228**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:03	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 19:13	10/19/24 05:51	7440-36-0	
Arsenic	**6.4**	ug/L	1.0	0.080	1	10/18/24 19:13	10/19/24 05:51	7440-38-2	
Barium	**177**	ug/L	1.0	0.11	1	10/18/24 19:13	10/19/24 05:51	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 19:13	10/19/24 05:51	7440-48-4	
Selenium	**5.1**	ug/L	1.0	0.26	1	10/18/24 19:13	10/19/24 05:51	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**219**	mg/L	10.0	10.0	1		10/17/24 01:45		
Alkalinity,Bicarbonate (CaCO3)	**219**	mg/L	10.0	10.0	1		10/17/24 01:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 01:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3430**	mg/L	40.0	40.0	1		10/17/24 13:28		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		10/17/24 14:46		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Sample: MW-4S **Lab ID: 50384839001** Collected: 10/11/24 14:40 Received: 10/11/24 16:00 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.8**	mg/L	0.10	0.013	1		10/12/24 00:38	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	1.0	4		10/23/24 09:41		D3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 814607
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3726539 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/24/24 20:09	
Fluoride	mg/L	ND	0.10	0.016	10/24/24 20:09	
Sulfate	mg/L	ND	0.25	0.19	10/24/24 20:09	

LABORATORY CONTROL SAMPLE: 3726540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	94	80-120	
Fluoride	mg/L	1	0.99	99	80-120	
Sulfate	mg/L	5	4.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726541 3726542

Parameter	Units	50384720001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.5	2.5	2.5	6.8	6.8	93	93	80-120	0	15	
Fluoride	mg/L	1.7	1	1	2.4	2.4	72	73	80-120	0	15	M0
Sulfate	mg/L	52.6	50	50	95.1	94.9	85	85	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 813678
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3722263 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/23/24 17:10	
Calcium	ug/L	ND	1000	83.9	10/23/24 17:10	
Iron	ug/L	ND	100	41.0	10/23/24 17:10	
Lead	ug/L	ND	10.0	2.0	10/23/24 17:10	
Lithium	ug/L	ND	20.0	3.8	10/23/24 17:10	
Magnesium	ug/L	ND	1000	53.7	10/23/24 17:10	
Manganese	ug/L	ND	10.0	0.77	10/23/24 17:10	
Molybdenum	ug/L	ND	10.0	1.4	10/23/24 17:10	
Potassium	ug/L	ND	1000	113	10/23/24 17:10	
Sodium	ug/L	ND	1000	95.0	10/23/24 17:10	

LABORATORY CONTROL SAMPLE: 3722264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	952	95	80-120	
Calcium	ug/L	10000	9800	98	80-120	
Iron	ug/L	10000	9750	98	80-120	
Lead	ug/L	1000	945	95	80-120	
Lithium	ug/L	1000	978	98	80-120	
Magnesium	ug/L	10000	9590	96	80-120	
Manganese	ug/L	1000	988	99	80-120	
Molybdenum	ug/L	1000	989	99	80-120	
Potassium	ug/L	10000	9460	95	80-120	
Sodium	ug/L	10000	9330	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1060	1100	97	101	75-125	4	20	
Calcium	ug/L	77400	10000	10000	84800	87000	74	96	75-125	2	20	P6
Iron	ug/L	917	10000	10000	10600	10900	97	100	75-125	3	20	
Lead	ug/L	ND	1000	1000	943	969	94	97	75-125	3	20	
Lithium	ug/L	ND	1000	1000	999	1010	100	101	75-125	1	20	
Magnesium	ug/L	25400	10000	10000	34100	35000	87	96	75-125	3	20	
Manganese	ug/L	153	1000	1000	1130	1160	98	101	75-125	3	20	
Molybdenum	ug/L	10.6	1000	1000	1040	1070	102	106	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	3700	10000	10000	13300	13400	96	97	75-125	1	20	
Sodium	ug/L	44400	10000	10000	52500	53400	81	90	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722267 3722268

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1040	1040	98	98	75-125	0	20	
Calcium	ug/L	103000	10000	10000	107000	107000	39	39	75-125	0	20	P6
Iron	ug/L	ND	10000	10000	9750	9850	98	99	75-125	1	20	
Lead	ug/L	ND	1000	1000	947	959	95	96	75-125	1	20	
Lithium	ug/L	ND	1000	1000	995	1020	99	101	75-125	2	20	
Magnesium	ug/L	27500	10000	10000	35500	35600	79	81	75-125	0	20	
Manganese	ug/L	1010	1000	1000	1930	1940	93	94	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1040	1040	104	104	75-125	0	20	
Potassium	ug/L	1350	10000	10000	10800	11100	94	97	75-125	3	20	
Sodium	ug/L	28600	10000	10000	36300	36600	76	79	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 813685
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3722291 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/22/24 03:59	

LABORATORY CONTROL SAMPLE: 3722292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	985	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722293 3722294

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	11.4	1000	1000	990	999	98	99	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722295 3722296

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	963	994	96	99	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 814201
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3724354 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/19/24 02:05	
Arsenic	ug/L	ND	1.0	0.080	10/19/24 02:05	
Barium	ug/L	ND	1.0	0.11	10/19/24 02:05	
Cobalt	ug/L	ND	1.0	0.045	10/19/24 02:05	
Selenium	ug/L	ND	1.0	0.26	10/19/24 02:05	

LABORATORY CONTROL SAMPLE: 3724355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.5	104	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Barium	ug/L	40	38.5	96	80-120	
Cobalt	ug/L	40	41.4	104	80-120	
Selenium	ug/L	40	39.2	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724356 3724357

Parameter	Units	50385007001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	36.6	38.7	91	96	75-125	6	20	
Arsenic	ug/L	ND	40	40	39.3	39.5	97	97	75-125	1	20	
Barium	ug/L	243	40	40	276	282	81	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	36.5	37.9	90	93	75-125	4	20	
Selenium	ug/L	ND	40	40	39.3	44.4	98	110	75-125	12	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 814118
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3724134 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/17/24 01:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/17/24 01:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/17/24 01:45	

LABORATORY CONTROL SAMPLE: 3724135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	46.0	92	90-110	

SAMPLE DUPLICATE: 3724137

Parameter	Units	50384839001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	219	222	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	219	222	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 814192
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3724324 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/17/24 13:27	

LABORATORY CONTROL SAMPLE: 3724325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	80-120	

SAMPLE DUPLICATE: 3724326

Parameter	Units	50384957003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	415	403	3	10	

SAMPLE DUPLICATE: 3724327

Parameter	Units	50384873005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	310	327	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 814235
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50384839001

SAMPLE DUPLICATE: 3724497

Parameter	Units	50384672007 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	2	H3

SAMPLE DUPLICATE: 3724498

Parameter	Units	50384796002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.3	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 813446
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3721234 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/12/24 00:25	

LABORATORY CONTROL SAMPLE: 3721235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721236 3721237

Parameter	Units	50384845003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.6	5	5	9.1	8.9	90	86	90-110	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 814955
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384839001

METHOD BLANK: 3727542 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/22/24 21:14	

LABORATORY CONTROL SAMPLE: 3727543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727544 3727545

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.7	10	10	11.2	11.0	95	93	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727546

Parameter	Units	50384957004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.7	10	11.8	91	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Sample: MW-4S **Lab ID: 50384839001** Collected: 10/11/24 14:40 Received: 10/11/24 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.327 ± 0.753 (1.36) C:NA T:86%**	pCi/L	10/23/24 13:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.393 ± 0.363 (0.738) C:80% T:82%**	pCi/L	10/23/24 11:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.720 ± 1.12 (2.10)**	pCi/L	10/24/24 16:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 703570
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384839001

METHOD BLANK: 3426144 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.260 (0.583) C:NA T:98%	pCi/L	10/23/24 13:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

QC Batch: 703572
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384839001

METHOD BLANK: 3426156 Matrix: Water
Associated Lab Samples: 50384839001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.574 ± 0.333 (0.597) C:79% T:92%	pCi/L	10/23/24 11:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50384839

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384839001	**MW-4S**	EPA 9056	814607		
50384839001	**MW-4S**	EPA 3010	813678	EPA 6010	815227
50384839001	**MW-4S**	EPA 3010	813685	EPA 6010	814825
50384839001	**MW-4S**	EPA 200.2	814201	EPA 6020	814569
50384839001	**MW-4S**	EPA 903.1	703570		
50384839001	**MW-4S**	EPA 904.0	703572		
50384839001	**MW-4S**	Total Radium Calculation	705152		
50384839001	**MW-4S**	SM 2320B	814118		
50384839001	**MW-4S**	SM 2540C	814192		
50384839001	**MW-4S**	SM 4500-H+B	814235		
50384839001	**MW-4S**	EPA 353.2	813446		
50384839001	**MW-4S**	SM 5310C	814955		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384839

50384839

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 P1 R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment
MW-45	GW	G	10-11-24	1440						X	X	X	X	X	X	X	X			
				1440																

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Mykah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	H	-.1	5.2	5.1	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	10-11-24 1600		10/11/24 16:00	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/11/24 17:21 JG

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. **Cooler Temperature(s):** 5.2/5.1 (Initial/Corrected)
RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C
If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	—		
Short Hold Time Analysis (48 hours or less)? **Analysis:** 353.2 Nitrate	—					
Time **5035A TC placed in Freezer or Short Holds To Lab**	Time: 18:00		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A —
Rush **TAT Requested (4 days or less):**		—	Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Custody Signatures Present?	—		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Containers Intact?:	—		Trip Blank Present?	—	—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—		Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													1			2	1	2	1	1									WT	✓	✓		
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	✓

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic*

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Dear Mr. Breting:

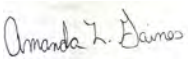
Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384845001	**MW-20D**	Water	10/11/24 10:30	10/11/24 17:30
50384845002	**MW-20I**	Water	10/11/24 13:00	10/11/24 17:30
50384845003	**MW-22I**	Water	10/11/24 15:00	10/11/24 17:30
50384845004	**DUP-9**	Water	10/11/24 08:00	10/11/24 17:30

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384845001	**MW-20D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384845002	**MW-20I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384845003	**MW-22I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384845004	**DUP-9**	EPA 9056	ADM	3	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384845001	**MW-20D**					
EPA 9056	Chloride	22.9	mg/L	0.25	10/19/24 18:20	
EPA 9056	Sulfate	30.7	mg/L	0.25	10/19/24 18:20	
EPA 6010	Calcium	82800	ug/L	1000	10/23/24 17:16	
EPA 6010	Iron	448	ug/L	100	10/23/24 17:16	
EPA 6010	Magnesium	25500	ug/L	1000	10/23/24 17:16	
EPA 6010	Manganese	17.1	ug/L	10.0	10/23/24 17:16	
EPA 6010	Potassium	2490	ug/L	1000	10/23/24 17:16	
EPA 6010	Sodium	9420	ug/L	1000	10/23/24 17:16	
EPA 6020	Barium	33.3	ug/L	1.0	10/19/24 09:50	
EPA 903.1	Radium-226	0.000 ± 0.795 (1.53) C:NA T:92%	pCi/L		10/23/24 13:21	
EPA 904.0	Radium-228	0.305 ± 0.367 (0.775) C:79% T:87%	pCi/L		10/23/24 11:36	
Total Radium Calculation	Total Radium	0.305 ± 1.16 (2.31)	pCi/L		10/24/24 16:09	
SM 2320B	Alkalinity, Total as CaCO3	266	mg/L	10.0	10/16/24 01:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	247	mg/L	10.0	10/16/24 01:08	
SM 2320B	Alkalinity,Carbonate (CaCO3)	19.6	mg/L	10.0	10/16/24 01:08	
SM 2540C	Total Dissolved Solids	349	mg/L	10.0	10/17/24 13:28	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/17/24 14:47	H3
EPA 353.2	Nitrogen, Nitrate	3.2	mg/L	0.10	10/11/24 23:37	
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	10/22/24 23:54	
50384845002	**MW-20I**					
EPA 9056	Chloride	21.2	mg/L	0.25	10/19/24 18:54	
EPA 9056	Sulfate	24.3	mg/L	0.25	10/19/24 18:54	
EPA 6010	Calcium	84200	ug/L	1000	10/23/24 17:19	
EPA 6010	Iron	359	ug/L	100	10/23/24 17:19	
EPA 6010	Magnesium	23100	ug/L	1000	10/23/24 17:19	
EPA 6010	Manganese	21.7	ug/L	10.0	10/23/24 17:19	
EPA 6010	Potassium	4630	ug/L	1000	10/23/24 17:19	
EPA 6010	Sodium	11100	ug/L	1000	10/23/24 17:19	
EPA 6020	Barium	49.1	ug/L	1.0	10/19/24 09:54	
EPA 903.1	Radium-226	-0.473 ± 0.715 (1.51) C:NA T:93%	pCi/L		10/23/24 13:21	
EPA 904.0	Radium-228	0.648 ± 0.402 (0.738) C:77% T:82%	pCi/L		10/23/24 11:36	
Total Radium Calculation	Total Radium	0.648 ± 1.12 (2.25)	pCi/L		10/24/24 16:09	
SM 2320B	Alkalinity, Total as CaCO3	261	mg/L	10.0	10/16/24 01:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	239	mg/L	10.0	10/16/24 01:08	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384845002	**MW-20I**					
SM 2320B	Alkalinity,Carbonate (CaCO3)	22.4	mg/L	10.0	10/16/24 01:08	
SM 2540C	Total Dissolved Solids	326	mg/L	10.0	10/17/24 13:28	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/17/24 14:48	H3
EPA 353.2	Nitrogen, Nitrate	2.5	mg/L	0.10	10/12/24 00:36	
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	10/23/24 00:04	
50384845003	**MW-22I**					
EPA 9056	Chloride	10.1	mg/L	0.25	10/24/24 16:23	
EPA 9056	Sulfate	32.8	mg/L	0.25	10/24/24 16:23	
EPA 6010	Calcium	89300	ug/L	1000	10/23/24 17:21	
EPA 6010	Magnesium	25500	ug/L	1000	10/23/24 17:21	
EPA 6010	Manganese	315	ug/L	10.0	10/23/24 17:21	
EPA 6010	Potassium	1400	ug/L	1000	10/23/24 17:21	
EPA 6010	Sodium	5980	ug/L	1000	10/23/24 17:21	
EPA 6020	Barium	56.8	ug/L	1.0	10/19/24 10:06	
EPA 6020	Selenium	7.7	ug/L	1.0	10/19/24 10:06	
EPA 903.1	Radium-226	0.231 ± 0.756 (1.40) C:NA T:103%	pCi/L		10/23/24 13:21	
EPA 904.0	Radium-228	0.215 ± 0.315 (0.678) C:79% T:87%	pCi/L		10/23/24 11:36	
Total Radium Calculation	Total Radium	0.446 ± 1.07 (2.08)	pCi/L		10/24/24 16:09	
SM 2320B	Alkalinity, Total as CaCO3	266	mg/L	10.0	10/16/24 01:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	254	mg/L	10.0	10/16/24 01:08	
SM 2320B	Alkalinity,Carbonate (CaCO3)	11.6	mg/L	10.0	10/16/24 01:08	
SM 2540C	Total Dissolved Solids	336	mg/L	10.0	10/17/24 13:28	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	10/17/24 14:49	H3
EPA 353.2	Nitrogen, Nitrate	4.6	mg/L	0.10	10/12/24 00:40	
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	10/23/24 00:14	
50384845004	**DUP-9**					
EPA 9056	Chloride	22.9	mg/L	0.25	10/19/24 19:27	
EPA 9056	Sulfate	30.5	mg/L	0.25	10/19/24 19:27	
EPA 6010	Calcium	83200	ug/L	1000	10/23/24 17:23	
EPA 6010	Iron	418	ug/L	100	10/23/24 17:23	
EPA 6010	Magnesium	25500	ug/L	1000	10/23/24 17:23	
EPA 6010	Manganese	17.5	ug/L	10.0	10/23/24 17:23	
EPA 6010	Potassium	2660	ug/L	1000	10/23/24 17:23	
EPA 6010	Sodium	9410	ug/L	1000	10/23/24 17:23	
EPA 6020	Barium	33.4	ug/L	1.0	10/19/24 10:10	
EPA 903.1	Radium-226	-0.335 ± 0.838 (1.74) C:NA T:97%	pCi/L		10/23/24 13:21	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384845004	**DUP-9**					
EPA 904.0	Radium-228	0.620 ± 0.379 (0.700) C:79% T:88%	pCi/L		10/23/24 11:36	
Total Radium Calculation	Total Radium	0.620 ± 1.22 (2.44)	pCi/L		10/24/24 16:09	
SM 2320B	Alkalinity, Total as CaCO3	262	mg/L	10.0	10/16/24 01:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	243	mg/L	10.0	10/16/24 01:08	
SM 2320B	Alkalinity,Carbonate (CaCO3)	18.8	mg/L	10.0	10/16/24 01:08	
SM 2540C	Total Dissolved Solids	334	mg/L	10.0	10/17/24 13:29	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/17/24 14:50	H3
EPA 353.2	Nitrogen, Nitrate	3.2	mg/L	0.10	10/11/24 23:31	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	10/23/24 00:25	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-20D **Lab ID: 50384845001** Collected: 10/11/24 10:30 Received: 10/11/24 17:30 Matrix: Water

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**22.9**	mg/L	0.25	0.13	1		10/19/24 18:20	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/19/24 18:20	16984-48-8	
Sulfate	**30.7**	mg/L	0.25	0.19	1		10/19/24 18:20	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:16	7440-42-8	
Calcium	**82800**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:16	7440-70-2	
Iron	**448**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:16	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:16	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:16	7439-93-2	
Magnesium	**25500**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:16	7439-95-4	
Manganese	**17.1**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:16	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:16	7439-98-7	
Potassium	**2490**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:16	7440-09-7	
Sodium	**9420**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:16	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:05	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 09:50	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 09:50	7440-38-2	
Barium	**33.3**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 09:50	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 09:50	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 09:50	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**266**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Bicarbonate (CaCO3)	**247**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Carbonate (CaCO3)	**19.6**	mg/L	10.0	10.0	1		10/16/24 01:08		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**349**	mg/L	10.0	10.0	1		10/17/24 13:28		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/17/24 14:47		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-20D **Lab ID: 50384845001** Collected: 10/11/24 10:30 Received: 10/11/24 17:30 Matrix: Water
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.2**	mg/L	0.10	0.013	1		10/11/24 23:37	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		10/22/24 23:54		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-20I **Lab ID: 50384845002** Collected: 10/11/24 13:00 Received: 10/11/24 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**21.2**	mg/L	0.25	0.13	1		10/19/24 18:54	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/19/24 18:54	16984-48-8	
Sulfate	**24.3**	mg/L	0.25	0.19	1		10/19/24 18:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:19	7440-42-8	
Calcium	**84200**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:19	7440-70-2	
Iron	**359**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:19	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:19	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:19	7439-93-2	
Magnesium	**23100**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:19	7439-95-4	
Manganese	**21.7**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:19	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:19	7439-98-7	
Potassium	**4630**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:19	7440-09-7	
Sodium	**11100**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:19	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:07	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 09:54	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 09:54	7440-38-2	
Barium	**49.1**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 09:54	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 09:54	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 09:54	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**261**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Carbonate (CaCO3)	**22.4**	mg/L	10.0	10.0	1		10/16/24 01:08		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**326**	mg/L	10.0	10.0	1		10/17/24 13:28		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/17/24 14:48		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-20I **Lab ID: 50384845002** Collected: 10/11/24 13:00 Received: 10/11/24 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.5**	mg/L	0.10	0.013	1		10/12/24 00:36	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		10/23/24 00:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-22I **Lab ID: 50384845003** Collected: 10/11/24 15:00 Received: 10/11/24 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**10.1**	mg/L	0.25	0.13	1		10/24/24 16:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/24/24 16:23	16984-48-8	
Sulfate	**32.8**	mg/L	0.25	0.19	1		10/24/24 16:23	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:21	7440-42-8	
Calcium	**89300**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:21	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:21	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:21	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:21	7439-93-2	
Magnesium	**25500**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:21	7439-95-4	
Manganese	**315**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:21	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:21	7439-98-7	
Potassium	**1400**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:21	7440-09-7	
Sodium	**5980**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:09	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 10:06	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 10:06	7440-38-2	
Barium	**56.8**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 10:06	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 10:06	7440-48-4	
Selenium	**7.7**	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 10:06	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**266**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Bicarbonate (CaCO3)	**254**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Carbonate (CaCO3)	**11.6**	mg/L	10.0	10.0	1		10/16/24 01:08		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**336**	mg/L	10.0	10.0	1		10/17/24 13:28		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		10/17/24 14:49		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-22I **Lab ID: 50384845003** Collected: 10/11/24 15:00 Received: 10/11/24 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.6**	mg/L	0.10	0.013	1		10/12/24 00:40	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	1.0	0.25	1		10/23/24 00:14		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: DUP-9 **Lab ID: 50384845004** Collected: 10/11/24 08:00 Received: 10/11/24 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**22.9**	mg/L	0.25	0.13	1		10/19/24 19:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/19/24 19:27	16984-48-8	
Sulfate	**30.5**	mg/L	0.25	0.19	1		10/19/24 19:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:23	7440-42-8	
Calcium	**83200**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:23	7440-70-2	
Iron	**418**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:23	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:23	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:23	7439-93-2	
Magnesium	**25500**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:23	7439-95-4	
Manganese	**17.5**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:23	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:23	7439-98-7	
Potassium	**2660**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:23	7440-09-7	
Sodium	**9410**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:23	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:11	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 10:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 10:10	7440-38-2	
Barium	**33.4**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 10:10	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 10:10	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 10:10	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**262**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Bicarbonate (CaCO3)	**243**	mg/L	10.0	10.0	1		10/16/24 01:08		
Alkalinity,Carbonate (CaCO3)	**18.8**	mg/L	10.0	10.0	1		10/16/24 01:08		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**334**	mg/L	10.0	10.0	1		10/17/24 13:29		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/17/24 14:50		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: DUP-9 **Lab ID: 50384845004** Collected: 10/11/24 08:00 Received: 10/11/24 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.2**	mg/L	0.10	0.013	1		10/11/24 23:31	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.25	1		10/23/24 00:25		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 814610
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3726543 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/19/24 16:45	
Fluoride	mg/L	ND	0.10	0.016	10/19/24 16:45	
Sulfate	mg/L	ND	0.25	0.19	10/19/24 16:45	

LABORATORY CONTROL SAMPLE: 3726544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	101	80-120	
Fluoride	mg/L	1	1.1	110	80-120	
Sulfate	mg/L	5	5.3	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726545 3726546

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	55.3	25	25	76.6	77.1	85	87	80-120	1	15	
Fluoride	mg/L	0.27	1	1	1.2	1.2	95	95	80-120	0	15	
Sulfate	mg/L	43.9	5	5	48.9	48.9	98	100	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 813678
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3722263 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/23/24 17:10	
Calcium	ug/L	ND	1000	83.9	10/23/24 17:10	
Iron	ug/L	ND	100	41.0	10/23/24 17:10	
Lead	ug/L	ND	10.0	2.0	10/23/24 17:10	
Lithium	ug/L	ND	20.0	3.8	10/23/24 17:10	
Magnesium	ug/L	ND	1000	53.7	10/23/24 17:10	
Manganese	ug/L	ND	10.0	0.77	10/23/24 17:10	
Molybdenum	ug/L	ND	10.0	1.4	10/23/24 17:10	
Potassium	ug/L	ND	1000	113	10/23/24 17:10	
Sodium	ug/L	ND	1000	95.0	10/23/24 17:10	

LABORATORY CONTROL SAMPLE: 3722264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	952	95	80-120	
Calcium	ug/L	10000	9800	98	80-120	
Iron	ug/L	10000	9750	98	80-120	
Lead	ug/L	1000	945	95	80-120	
Lithium	ug/L	1000	978	98	80-120	
Magnesium	ug/L	10000	9590	96	80-120	
Manganese	ug/L	1000	988	99	80-120	
Molybdenum	ug/L	1000	989	99	80-120	
Potassium	ug/L	10000	9460	95	80-120	
Sodium	ug/L	10000	9330	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1060	1100	97	101	75-125	4	20	
Calcium	ug/L	77400	10000	10000	84800	87000	74	96	75-125	2	20	P6
Iron	ug/L	917	10000	10000	10600	10900	97	100	75-125	3	20	
Lead	ug/L	ND	1000	1000	943	969	94	97	75-125	3	20	
Lithium	ug/L	ND	1000	1000	999	1010	100	101	75-125	1	20	
Magnesium	ug/L	25400	10000	10000	34100	35000	87	96	75-125	3	20	
Manganese	ug/L	153	1000	1000	1130	1160	98	101	75-125	3	20	
Molybdenum	ug/L	10.6	1000	1000	1040	1070	102	106	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	3700	10000	10000	13300	13400	96	97	75-125	1	20	
Sodium	ug/L	44400	10000	10000	52500	53400	81	90	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722267 3722268

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1040	1040	98	98	75-125	0	20	
Calcium	ug/L	103000	10000	10000	107000	107000	39	39	75-125	0	20	P6
Iron	ug/L	ND	10000	10000	9750	9850	98	99	75-125	1	20	
Lead	ug/L	ND	1000	1000	947	959	95	96	75-125	1	20	
Lithium	ug/L	ND	1000	1000	995	1020	99	101	75-125	2	20	
Magnesium	ug/L	27500	10000	10000	35500	35600	79	81	75-125	0	20	
Manganese	ug/L	1010	1000	1000	1930	1940	93	94	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1040	1040	104	104	75-125	0	20	
Potassium	ug/L	1350	10000	10000	10800	11100	94	97	75-125	3	20	
Sodium	ug/L	28600	10000	10000	36300	36600	76	79	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 813685
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3722291 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/22/24 03:59	

LABORATORY CONTROL SAMPLE: 3722292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	985	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722293 3722294

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	11.4	1000	1000	990	999	98	99	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722295 3722296

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	963	994	96	99	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 814209
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3724376 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/19/24 09:42	
Arsenic	ug/L	ND	1.0	0.080	10/19/24 09:42	
Barium	ug/L	ND	1.0	0.11	10/19/24 09:42	
Cobalt	ug/L	ND	1.0	0.045	10/19/24 09:42	
Selenium	ug/L	ND	1.0	0.26	10/19/24 09:42	

LABORATORY CONTROL SAMPLE: 3724377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.1	103	80-120	
Arsenic	ug/L	40	39.3	98	80-120	
Barium	ug/L	40	38.1	95	80-120	
Cobalt	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	39.8	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724378 3724379

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.2	42.1	106	105	75-125	0	20	
Arsenic	ug/L	2.8	40	40	42.0	41.9	98	98	75-125	0	20	
Barium	ug/L	88.8	40	40	134	135	114	115	75-125	0	20	
Cobalt	ug/L	ND	40	40	39.2	39.6	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	40.1	39.6	100	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 813885
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3723192 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/16/24 01:08	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/16/24 01:08	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/16/24 01:08	

LABORATORY CONTROL SAMPLE: 3723193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.3	97	90-110	

SAMPLE DUPLICATE: 3723194

Parameter	Units	50384745010 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	43.8	43.2	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	43.8	43.2	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10.0	ND		20	

SAMPLE DUPLICATE: 3723244

Parameter	Units	50384845004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	262	263	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	243	247	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	18.8	16.8	11	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 814192 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3724324 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/17/24 13:27	

LABORATORY CONTROL SAMPLE: 3724325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	80-120	

SAMPLE DUPLICATE: 3724326

Parameter	Units	50384957003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	415	403	3	10	

SAMPLE DUPLICATE: 3724327

Parameter	Units	50384873005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	310	327	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 814235
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

SAMPLE DUPLICATE: 3724497

Parameter	Units	50384672007 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	2	H3

SAMPLE DUPLICATE: 3724498

Parameter	Units	50384796002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.3	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 813445
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845004

METHOD BLANK: 3721229 Matrix: Water
Associated Lab Samples: 50384845001, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/11/24 22:47	

LABORATORY CONTROL SAMPLE: 3721230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721231 3721232

Parameter	Units	50384790008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	101	101	90-110	0	20	

MATRIX SPIKE SAMPLE: 3721233

Parameter	Units	50384845001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	3.2	5	8.5	105	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 813446
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845002, 50384845003

METHOD BLANK: 3721234 Matrix: Water
Associated Lab Samples: 50384845002, 50384845003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/12/24 00:25	

LABORATORY CONTROL SAMPLE: 3721235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3721236 3721237

Parameter	Units	50384845003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.6	5	5	9.1	8.9	90	86	90-110	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 814955
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3727542 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/22/24 21:14	

LABORATORY CONTROL SAMPLE: 3727543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727544 3727545

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.7	10	10	11.2	11.0	95	93	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727546

Parameter	Units	50384957004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.7	10	11.8	91	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-20D **Lab ID: 50384845001** Collected: 10/11/24 10:30 Received: 10/11/24 17:30 Matrix: Water
PWS: Site ID: Sample Type:
Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.795 (1.53) C:NA T:92%**	pCi/L	10/23/24 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.305 ± 0.367 (0.775) C:79% T:87%**	pCi/L	10/23/24 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.305 ± 1.16 (2.31)**	pCi/L	10/24/24 16:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-20I **Lab ID: 50384845002** Collected: 10/11/24 13:00 Received: 10/11/24 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.473 ± 0.715 (1.51) C:NA T:93%**	pCi/L	10/23/24 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.648 ± 0.402 (0.738) C:77% T:82%**	pCi/L	10/23/24 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.648 ± 1.12 (2.25)**	pCi/L	10/24/24 16:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: MW-22I **Lab ID: 50384845003** Collected: 10/11/24 15:00 Received: 10/11/24 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.231 ± 0.756 (1.40) C:NA T:103%**	pCi/L	10/23/24 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.215 ± 0.315 (0.678) C:79% T:87%**	pCi/L	10/23/24 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.446 ± 1.07 (2.08)**	pCi/L	10/24/24 16:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Sample: DUP-9 **Lab ID: 50384845004** Collected: 10/11/24 08:00 Received: 10/11/24 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.335 ± 0.838 (1.74) C:NA T:97%**	pCi/L	10/23/24 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.620 ± 0.379 (0.700) C:79% T:88%**	pCi/L	10/23/24 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.620 ± 1.22 (2.44)**	pCi/L	10/24/24 16:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 703570 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3426144 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.260 (0.583) C:NA T:98%	pCi/L	10/23/24 13:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

QC Batch: 703572
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

METHOD BLANK: 3426156 Matrix: Water
Associated Lab Samples: 50384845001, 50384845002, 50384845003, 50384845004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.574 ± 0.333 (0.597) C:79% T:92%	pCi/L	10/23/24 11:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384845001	**MW-20D**	EPA 9056	814610		
50384845002	**MW-20I**	EPA 9056	814610		
50384845003	**MW-22I**	EPA 9056	814610		
50384845004	**DUP-9**	EPA 9056	814610		
50384845001	**MW-20D**	EPA 3010	813678	EPA 6010	815227
50384845002	**MW-20I**	EPA 3010	813678	EPA 6010	815227
50384845003	**MW-22I**	EPA 3010	813678	EPA 6010	815227
50384845004	**DUP-9**	EPA 3010	813678	EPA 6010	815227
50384845001	**MW-20D**	EPA 3010	813685	EPA 6010	814825
50384845002	**MW-20I**	EPA 3010	813685	EPA 6010	814825
50384845003	**MW-22I**	EPA 3010	813685	EPA 6010	814825
50384845004	**DUP-9**	EPA 3010	813685	EPA 6010	814825
50384845001	**MW-20D**	EPA 200.2	814209	EPA 6020	814571
50384845002	**MW-20I**	EPA 200.2	814209	EPA 6020	814571
50384845003	**MW-22I**	EPA 200.2	814209	EPA 6020	814571
50384845004	**DUP-9**	EPA 200.2	814209	EPA 6020	814571
50384845001	**MW-20D**	EPA 903.1	703570		
50384845002	**MW-20I**	EPA 903.1	703570		
50384845003	**MW-22I**	EPA 903.1	703570		
50384845004	**DUP-9**	EPA 903.1	703570		
50384845001	**MW-20D**	EPA 904.0	703572		
50384845002	**MW-20I**	EPA 904.0	703572		
50384845003	**MW-22I**	EPA 904.0	703572		
50384845004	**DUP-9**	EPA 904.0	703572		
50384845001	**MW-20D**	Total Radium Calculation	705152		
50384845002	**MW-20I**	Total Radium Calculation	705152		
50384845003	**MW-22I**	Total Radium Calculation	705152		
50384845004	**DUP-9**	Total Radium Calculation	705152		
50384845001	**MW-20D**	SM 2320B	813885		
50384845002	**MW-20I**	SM 2320B	813885		
50384845003	**MW-22I**	SM 2320B	813885		
50384845004	**DUP-9**	SM 2320B	813885		
50384845001	**MW-20D**	SM 2540C	814192		
50384845002	**MW-20I**	SM 2540C	814192		
50384845003	**MW-22I**	SM 2540C	814192		
50384845004	**DUP-9**	SM 2540C	814192		
50384845001	**MW-20D**	SM 4500-H+B	814235		
50384845002	**MW-20I**	SM 4500-H+B	814235		
50384845003	**MW-22I**	SM 4500-H+B	814235		
50384845004	**DUP-9**	SM 4500-H+B	814235		
50384845001	**MW-20D**	EPA 353.2	813445		
50384845002	**MW-20I**	EPA 353.2	813446		
50384845003	**MW-22I**	EPA 353.2	813446		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384845

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384845004	**DUP-9**	EPA 353.2	813445		
50384845001	**MW-20D**	SM 5310C	814955		
50384845002	**MW-20I**	SM 5310C	814955		
50384845003	**MW-22I**	SM 5310C	814955		
50384845004	**DUP-9**	SM 5310C	814955		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384845

50384845

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 PIR4	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size

Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only
Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-20D	GW	G	10/11/24	1030						X	X	X	X	X	X	X	X	
MW-20I	GW	G	↓	1300						↓	↓	↓	↓	↓	↓	↓	↓	
MW-22I	GW	G		1500						↓	↓	↓	↓	↓	↓	↓	↓	
DUP-9	GW	G	↓	—						↓	↓	↓	↓	↓	↓	↓	↓	

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Connor Epler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	H	-.1	4.6	4.5	Y

Relinquished by/Company: (Signature)	Date/Time: 10/11/24	Received by/Company: (Signature)	Date/Time: 10/11/24 17:30	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/11/24 17:30 JG

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. **Cooler Temperature(s):** 4.6/4.5 (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Courier:** Circle One: Fed Ex UPS (Client) Pace Now/Jett Other

4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		~
Short Hold Time Analysis (48 hours or less)? Analysis: 353.2 Nitrate	—	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 19:25	
Rush TAT Requested (4 days or less):		—
Custody Signatures Present?	~	
Containers Intact?:	~	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	~	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: ~~HNO3 (<2)~~ ~~H2SO4 (<2)~~ NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	~		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ~
Residual Chlorine Check (Total/Amenable/Free Cyanide)			~
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ~
Trip Blank Present?		~	
Trip Blank Custody Seals?:			~
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER						Preservative			
			MeOH (only)																											Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
			SBS																											Red	Yellow	Green	Black
			DI			VOA																											
COC Line Item	WGFU	WGKU	BG1U	R	DG9H VG9H	VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1														1			2	1	2	1	1								WT	✓	✓		
2														↓			↓	↓	↓	↓	↓								↓	↓	↓		
3														↓			↓	↓	↓	↓	↓								↓	↓	↓		
4														↓			↓	↓	↓	↓	↓								↓	↓	↓		✓
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	✓

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic*

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Dear Mr. Breting:

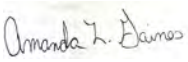
Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384957001	**MW-24S**	Water	10/14/24 12:51	10/14/24 16:30
50384957002	**MW-24I**	Water	10/14/24 11:09	10/14/24 16:30
50384957003	**MW-24D**	Water	10/14/24 09:49	10/14/24 16:30
50384957004	**MW-25S**	Water	10/14/24 13:05	10/14/24 16:30
50384957005	**MW-25I**	Water	10/14/24 11:40	10/14/24 16:30
50384957006	**MW-25D**	Water	10/14/24 10:05	10/14/24 16:30
50384957007	**Dup-6**	Water	10/14/24 08:00	10/14/24 16:30
50384957008	**Field Blank-3**	Water	10/14/24 13:45	10/14/24 16:30
50384957009	**MW-24D MS**	Water	10/14/24 09:49	10/14/24 16:30
50384957010	**MW-24D MSD**	Water	10/14/24 09:49	10/14/24 16:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384957001	**MW-24S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957002	**MW-24I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957003	**MW-24D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957004	**MW-25S**	EPA 9056	ADM	3	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957005	**MW-25I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957006	**MW-25D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957007	**Dup-6**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957008	**Field Blank-3**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384957009	**MW-24D MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50384957010	**MW-24D MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384957001	**MW-24S**					
EPA 9056	Chloride	158	mg/L	2.5	10/19/24 21:42	
EPA 9056	Fluoride	0.39	mg/L	0.10	10/24/24 16:57	
EPA 9056	Sulfate	139	mg/L	2.5	10/19/24 21:42	
EPA 6010	Boron	212	ug/L	100	10/23/24 17:25	
EPA 6010	Calcium	86500	ug/L	1000	10/23/24 17:25	
EPA 6010	Magnesium	28700	ug/L	1000	10/23/24 17:25	
EPA 6010	Manganese	105	ug/L	10.0	10/23/24 17:25	
EPA 6010	Molybdenum	44.6	ug/L	10.0	10/23/24 17:25	
EPA 6010	Potassium	6730	ug/L	1000	10/23/24 17:25	
EPA 6010	Sodium	103000	ug/L	1000	10/23/24 17:25	
EPA 6010	Molybdenum, Dissolved	43.0	ug/L	10.0	10/22/24 04:13	
EPA 6020	Barium	101	ug/L	1.0	10/22/24 03:56	
EPA 903.1	Radium-226	0.000 ± 0.605 (1.21) C:NA T:86%	pCi/L		10/28/24 14:59	
EPA 904.0	Radium-228	0.625 ± 0.427 (0.828) C:79% T:83%	pCi/L		10/24/24 12:24	
Total Radium Calculation	Total Radium	0.625 ± 1.03 (2.04)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	207	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	207	mg/L	10.0	10/15/24 23:29	
SM 2540C	Total Dissolved Solids	648	mg/L	10.0	10/17/24 13:30	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/18/24 16:14	H3
EPA 353.2	Nitrogen, Nitrate	2.6	mg/L	0.10	10/14/24 23:19	
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	10/23/24 00:35	
50384957002	**MW-24I**					
EPA 9056	Chloride	120	mg/L	2.5	10/19/24 22:16	
EPA 9056	Fluoride	0.32	mg/L	0.10	10/24/24 17:31	
EPA 9056	Sulfate	92.5	mg/L	2.5	10/19/24 22:16	
EPA 6010	Boron	128	ug/L	100	10/23/24 17:27	
EPA 6010	Calcium	64700	ug/L	1000	10/23/24 17:27	
EPA 6010	Iron	553	ug/L	100	10/23/24 17:27	
EPA 6010	Magnesium	19000	ug/L	1000	10/23/24 17:27	
EPA 6010	Manganese	149	ug/L	10.0	10/23/24 17:27	
EPA 6010	Molybdenum	71.2	ug/L	10.0	10/23/24 17:27	
EPA 6010	Potassium	5610	ug/L	1000	10/23/24 17:27	
EPA 6010	Sodium	109000	ug/L	1000	10/23/24 17:27	
EPA 6010	Molybdenum, Dissolved	70.8	ug/L	10.0	10/22/24 04:15	
EPA 6020	Arsenic	1.9	ug/L	1.0	10/22/24 04:00	
EPA 6020	Barium	78.0	ug/L	1.0	10/22/24 04:00	
EPA 903.1	Radium-226	0.399 ± 0.847 (1.49) C:NA T:86%	pCi/L		10/28/24 14:59	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384957002	**MW-24I**					
EPA 904.0	Radium-228	0.293 ± 0.351 (0.741) C:82% T:89%	pCi/L		10/24/24 12:24	
Total Radium Calculation	Total Radium	0.692 ± 1.20 (2.23)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	235	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	235	mg/L	10.0	10/15/24 23:29	
SM 2540C	Total Dissolved Solids	539	mg/L	10.0	10/17/24 13:31	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/18/24 16:15	H3
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	10/23/24 00:47	
50384957003	**MW-24D**					
EPA 9056	Chloride	55.3	mg/L	2.5	10/19/24 22:49	
EPA 9056	Fluoride	0.27	mg/L	0.10	10/24/24 19:54	
EPA 9056	Sulfate	43.9	mg/L	0.25	10/24/24 19:54	
EPA 6010	Calcium	77400	ug/L	1000	10/23/24 17:29	
EPA 6010	Iron	917	ug/L	100	10/23/24 17:29	
EPA 6010	Magnesium	25400	ug/L	1000	10/23/24 17:29	
EPA 6010	Manganese	153	ug/L	10.0	10/23/24 17:29	
EPA 6010	Molybdenum	10.6	ug/L	10.0	10/23/24 17:29	
EPA 6010	Potassium	3700	ug/L	1000	10/23/24 17:29	
EPA 6010	Sodium	44400	ug/L	1000	10/23/24 17:29	
EPA 6010	Molybdenum, Dissolved	11.4	ug/L	10.0	10/22/24 04:17	
EPA 6020	Arsenic	2.8	ug/L	1.0	10/19/24 11:01	
EPA 6020	Barium	88.8	ug/L	1.0	10/19/24 11:01	
EPA 903.1	Radium-226	0.530 ± 0.624 (1.03) C:NA T:92%	pCi/L		10/28/24 14:59	
EPA 904.0	Radium-228	0.617 ± 0.356 (0.656) C:87% T:89%	pCi/L		10/24/24 12:25	
Total Radium Calculation	Total Radium	1.15 ± 0.980 (1.69)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	276	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	276	mg/L	10.0	10/15/24 23:29	
SM 2540C	Total Dissolved Solids	415	mg/L	10.0	10/17/24 13:31	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/18/24 16:15	H3
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	10/23/24 01:04	
50384957004	**MW-25S**					
EPA 9056	Chloride	110	mg/L	2.5	10/20/24 03:19	
EPA 9056	Fluoride	0.32	mg/L	0.10	10/24/24 18:41	
EPA 9056	Sulfate	95.7	mg/L	2.5	10/20/24 03:19	
EPA 6010	Boron	267	ug/L	100	10/23/24 17:45	
EPA 6010	Calcium	81700	ug/L	1000	10/23/24 17:45	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384957004	**MW-25S**					
EPA 6010	Iron	169	ug/L	100	10/23/24 17:45	
EPA 6010	Lithium	59.2	ug/L	20.0	10/23/24 17:45	
EPA 6010	Magnesium	21600	ug/L	1000	10/23/24 17:45	
EPA 6010	Manganese	603	ug/L	10.0	10/23/24 17:45	
EPA 6010	Molybdenum	77.1	ug/L	10.0	10/23/24 17:45	
EPA 6010	Potassium	6470	ug/L	1000	10/23/24 17:45	
EPA 6010	Sodium	88100	ug/L	1000	10/23/24 17:45	
EPA 6010	Molybdenum, Dissolved	73.4	ug/L	10.0	10/22/24 04:32	
EPA 6020	Barium	87.2	ug/L	1.0	10/19/24 11:29	
EPA 903.1	Radium-226	-0.353 ± 0.633 (1.32) C:NA T:93%	pCi/L		10/28/24 14:59	
EPA 904.0	Radium-228	0.537 ± 0.363 (0.698) C:84% T:87%	pCi/L		10/24/24 12:25	
Total Radium Calculation	Total Radium	0.537 ± 0.996 (2.02)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	243	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	232	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Carbonate (CaCO3)	10.4	mg/L	10.0	10/15/24 23:29	
SM 2540C	Total Dissolved Solids	547	mg/L	10.0	10/17/24 13:31	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/18/24 16:17	H3
SM 5310C	Dissolved Organic Carbon	2.7	mg/L	1.0	10/23/24 01:57	
50384957005	**MW-25I**					
EPA 9056	Chloride	93.9	mg/L	2.5	10/20/24 01:55	
EPA 9056	Fluoride	0.12	mg/L	0.10	10/24/24 19:18	
EPA 9056	Sulfate	78.9	mg/L	2.5	10/20/24 01:55	
EPA 6010	Boron	897	ug/L	100	10/23/24 17:47	
EPA 6010	Calcium	73700	ug/L	1000	10/23/24 17:47	
EPA 6010	Iron	1290	ug/L	100	10/23/24 17:47	
EPA 6010	Lithium	78.2	ug/L	20.0	10/23/24 17:47	
EPA 6010	Magnesium	20200	ug/L	1000	10/23/24 17:47	
EPA 6010	Manganese	200	ug/L	10.0	10/23/24 17:47	
EPA 6010	Molybdenum	144	ug/L	10.0	10/23/24 17:47	
EPA 6010	Potassium	6380	ug/L	1000	10/23/24 17:47	
EPA 6010	Sodium	70600	ug/L	1000	10/23/24 17:47	
EPA 6010	Molybdenum, Dissolved	139	ug/L	10.0	10/22/24 04:34	
EPA 6020	Arsenic	2.9	ug/L	1.0	10/19/24 11:33	
EPA 6020	Barium	70.7	ug/L	1.0	10/19/24 11:33	
EPA 903.1	Radium-226	1.62 ± 0.848 (1.08) C:NA T:95%	pCi/L		10/28/24 14:59	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384957005	**MW-25I**					
EPA 904.0	Radium-228	0.749 ± 0.432 (0.795) C:80% T:86%	pCi/L		10/24/24 12:25	
Total Radium Calculation	Total Radium	2.37 ± 1.28 (1.88)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	218	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	208	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Carbonate (CaCO3)	10.4	mg/L	10.0	10/15/24 23:29	
SM 2540C	Total Dissolved Solids	455	mg/L	10.0	10/17/24 13:32	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/18/24 16:18	H3
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	10/23/24 02:19	
50384957006	**MW-25D**					
EPA 9056	Chloride	85.7	mg/L	2.5	10/20/24 03:53	
EPA 9056	Fluoride	0.13	mg/L	0.10	10/24/24 22:20	
EPA 9056	Sulfate	80.4	mg/L	2.5	10/20/24 03:53	
EPA 6010	Boron	1230	ug/L	100	10/23/24 17:49	
EPA 6010	Calcium	75800	ug/L	1000	10/23/24 17:49	
EPA 6010	Iron	1300	ug/L	100	10/23/24 17:49	
EPA 6010	Lithium	70.1	ug/L	20.0	10/23/24 17:49	
EPA 6010	Magnesium	16400	ug/L	1000	10/23/24 17:49	
EPA 6010	Manganese	103	ug/L	10.0	10/23/24 17:49	
EPA 6010	Molybdenum	175	ug/L	10.0	10/23/24 17:49	
EPA 6010	Potassium	3670	ug/L	1000	10/23/24 17:49	
EPA 6010	Sodium	74000	ug/L	1000	10/23/24 17:49	
EPA 6010	Molybdenum, Dissolved	168	ug/L	10.0	10/22/24 04:36	
EPA 6020	Arsenic	1.3	ug/L	1.0	10/19/24 11:37	
EPA 6020	Barium	53.6	ug/L	1.0	10/19/24 11:37	
EPA 903.1	Radium-226	0.322 ± 0.580 (1.02) C:NA T:91%	pCi/L		10/28/24 15:11	
EPA 904.0	Radium-228	1.04 ± 0.439 (0.709) C:81% T:87%	pCi/L		10/24/24 12:25	
Total Radium Calculation	Total Radium	1.36 ± 1.02 (1.73)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	221	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	207	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Carbonate (CaCO3)	14.4	mg/L	10.0	10/15/24 23:29	
SM 2540C	Total Dissolved Solids	491	mg/L	10.0	10/17/24 13:32	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/18/24 16:19	H3
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	10/23/24 02:30	
50384957007	**Dup-6**					
EPA 9056	Chloride	85.9	mg/L	2.5	10/20/24 04:26	
EPA 9056	Fluoride	0.13	mg/L	0.10	10/24/24 22:56	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384957007	**Dup-6**					
EPA 9056	Sulfate	80.9	mg/L	2.5	10/20/24 04:26	
EPA 6010	Boron	1210	ug/L	100	10/23/24 17:51	
EPA 6010	Calcium	74300	ug/L	1000	10/23/24 17:51	
EPA 6010	Iron	1280	ug/L	100	10/23/24 17:51	
EPA 6010	Lithium	63.0	ug/L	20.0	10/23/24 17:51	
EPA 6010	Magnesium	16100	ug/L	1000	10/23/24 17:51	
EPA 6010	Manganese	101	ug/L	10.0	10/23/24 17:51	
EPA 6010	Molybdenum	172	ug/L	10.0	10/23/24 17:51	
EPA 6010	Potassium	3500	ug/L	1000	10/23/24 17:51	
EPA 6010	Sodium	72700	ug/L	1000	10/23/24 17:51	
EPA 6010	Molybdenum, Dissolved	167	ug/L	10.0	10/22/24 04:39	
EPA 6020	Arsenic	1.3	ug/L	1.0	10/19/24 11:41	
EPA 6020	Barium	53.6	ug/L	1.0	10/19/24 11:41	
EPA 903.1	Radium-226	0.448 ± 0.855 (1.50) C:NA T:89%	pCi/L		10/28/24 15:11	
EPA 904.0	Radium-228	0.535 ± 0.355 (0.678) C:81% T:90%	pCi/L		10/24/24 12:25	
Total Radium Calculation	Total Radium	0.983 ± 1.21 (2.18)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	222	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	209	mg/L	10.0	10/15/24 23:29	
SM 2320B	Alkalinity,Carbonate (CaCO3)	13.6	mg/L	10.0	10/15/24 23:29	
SM 2540C	Total Dissolved Solids	469	mg/L	10.0	10/17/24 13:32	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/18/24 16:20	H3
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	10/23/24 03:04	
50384957008	**Field Blank-3**					
EPA 903.1	Radium-226	0.000 ± 0.310 (0.694) C:NA T:90%	pCi/L		10/28/24 15:11	
EPA 904.0	Radium-228	0.419 ± 0.309 (0.602) C:84% T:93%	pCi/L		10/24/24 12:25	
Total Radium Calculation	Total Radium	0.419 ± 0.619 (1.30)	pCi/L		10/30/24 09:45	
SM 4500-H+B	pH at 25 Degrees C	6.6	Std. Units	0.10	10/18/24 16:33	H3
50384957009	**MW-24D MS**					
EPA 903.1	Radium-226	95.57 %REC ± NA (NA) C:NA T:NA	pCi/L		10/28/24 15:11	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384957009	**MW-24D MS**					
EPA 904.0	Radium-228	86.71 %REC ± NA (NA) C:NA T:NA	pCi/L		10/24/24 12:25	
50384957010	**MW-24D MSD**					
EPA 903.1	Radium-226	122.64 %REC 24.80RPD ± NA (NA) C:NA T:NA	pCi/L		10/28/24 15:11	
EPA 904.0	Radium-228	83.95 %REC 3.23RPD ± NA (NA) C:NA T:NA	pCi/L		10/24/24 12:25	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24S **Lab ID: 50384957001** Collected: 10/14/24 12:51 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**158**	mg/L	2.5	1.3	10		10/19/24 21:42	16887-00-6	
Fluoride	**0.39**	mg/L	0.10	0.016	1		10/24/24 16:57	16984-48-8	
Sulfate	**139**	mg/L	2.5	1.9	10		10/19/24 21:42	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**212**	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:25	7440-42-8	
Calcium	**86500**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:25	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:25	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:25	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:25	7439-93-2	
Magnesium	**28700**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:25	7439-95-4	
Manganese	**105**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:25	7439-96-5	
Molybdenum	**44.6**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:25	7439-98-7	
Potassium	**6730**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:25	7440-09-7	
Sodium	**103000**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:25	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**43.0**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:13	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/19/24 16:23	10/22/24 03:56	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/19/24 16:23	10/22/24 03:56	7440-38-2	
Barium	**101**	ug/L	1.0	0.11	1	10/19/24 16:23	10/22/24 03:56	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/19/24 16:23	10/22/24 03:56	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/19/24 16:23	10/22/24 03:56	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**207**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**207**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**648**	mg/L	10.0	10.0	1		10/17/24 13:30		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/18/24 16:14		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24S **Lab ID: 50384957001** Collected: 10/14/24 12:51 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.6**	mg/L	0.10	0.013	1		10/14/24 23:19	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.2**	mg/L	1.0	0.25	1		10/23/24 00:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24I **Lab ID: 50384957002** Collected: 10/14/24 11:09 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**120**	mg/L	2.5	1.3	10		10/19/24 22:16	16887-00-6	
Fluoride	**0.32**	mg/L	0.10	0.016	1		10/24/24 17:31	16984-48-8	
Sulfate	**92.5**	mg/L	2.5	1.9	10		10/19/24 22:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**128**	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:27	7440-42-8	
Calcium	**64700**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:27	7440-70-2	
Iron	**553**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:27	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:27	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:27	7439-93-2	
Magnesium	**19000**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:27	7439-95-4	
Manganese	**149**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:27	7439-96-5	
Molybdenum	**71.2**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:27	7439-98-7	
Potassium	**5610**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:27	7440-09-7	
Sodium	**109000**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:27	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**70.8**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:15	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/19/24 16:23	10/22/24 04:00	7440-36-0	
Arsenic	**1.9**	ug/L	1.0	0.080	1	10/19/24 16:23	10/22/24 04:00	7440-38-2	
Barium	**78.0**	ug/L	1.0	0.11	1	10/19/24 16:23	10/22/24 04:00	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/19/24 16:23	10/22/24 04:00	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/19/24 16:23	10/22/24 04:00	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**235**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**235**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**539**	mg/L	10.0	10.0	1		10/17/24 13:31		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/18/24 16:15		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24I **Lab ID: 50384957002** Collected: 10/14/24 11:09 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:12	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.2**	mg/L	1.0	0.25	1		10/23/24 00:47		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24D **Lab ID: 50384957003** Collected: 10/14/24 09:49 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**55.3**	mg/L	2.5	1.3	10		10/19/24 22:49	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		10/24/24 19:54	16984-48-8	
Sulfate	**43.9**	mg/L	0.25	0.19	1		10/24/24 19:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:29	7440-42-8	
Calcium	**77400**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:29	7440-70-2	
Iron	**917**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:29	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:29	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:29	7439-93-2	
Magnesium	**25400**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:29	7439-95-4	
Manganese	**153**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:29	7439-96-5	
Molybdenum	**10.6**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:29	7439-98-7	
Potassium	**3700**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:29	7440-09-7	
Sodium	**44400**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:29	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**11.4**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:17	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 11:01	7440-36-0	
Arsenic	**2.8**	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 11:01	7440-38-2	
Barium	**88.8**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 11:01	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 11:01	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 11:01	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**276**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**276**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**415**	mg/L	10.0	10.0	1		10/17/24 13:31		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/18/24 16:15		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24D **Lab ID: 50384957003** Collected: 10/14/24 09:49 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:31	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.7**	mg/L	1.0	0.25	1		10/23/24 01:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25S **Lab ID: 50384957004** Collected: 10/14/24 13:05 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**110**	mg/L	2.5	1.3	10		10/20/24 03:19	16887-00-6	
Fluoride	**0.32**	mg/L	0.10	0.016	1		10/24/24 18:41	16984-48-8	
Sulfate	**95.7**	mg/L	2.5	1.9	10		10/20/24 03:19	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**267**	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:45	7440-42-8	
Calcium	**81700**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:45	7440-70-2	
Iron	**169**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:45	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:45	7439-92-1	
Lithium	**59.2**	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:45	7439-93-2	
Magnesium	**21600**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:45	7439-95-4	
Manganese	**603**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:45	7439-96-5	
Molybdenum	**77.1**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:45	7439-98-7	
Potassium	**6470**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:45	7440-09-7	
Sodium	**88100**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:45	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**73.4**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:32	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 11:29	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 11:29	7440-38-2	
Barium	**87.2**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 11:29	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 11:29	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 11:29	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**243**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**232**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	**10.4**	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**547**	mg/L	10.0	10.0	1		10/17/24 13:31		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/18/24 16:17		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25S **Lab ID: 50384957004** Collected: 10/14/24 13:05 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:27	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.7**	mg/L	1.0	0.25	1		10/23/24 01:57		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25I **Lab ID: 50384957005** Collected: 10/14/24 11:40 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**93.9**	mg/L	2.5	1.3	10		10/20/24 01:55	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.016	1		10/24/24 19:18	16984-48-8	
Sulfate	**78.9**	mg/L	2.5	1.9	10		10/20/24 01:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**897**	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:47	7440-42-8	
Calcium	**73700**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:47	7440-70-2	
Iron	**1290**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:47	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:47	7439-92-1	
Lithium	**78.2**	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:47	7439-93-2	
Magnesium	**20200**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:47	7439-95-4	
Manganese	**200**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:47	7439-96-5	
Molybdenum	**144**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:47	7439-98-7	
Potassium	**6380**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:47	7440-09-7	
Sodium	**70600**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:47	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**139**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:34	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 11:33	7440-36-0	
Arsenic	**2.9**	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 11:33	7440-38-2	
Barium	**70.7**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 11:33	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 11:33	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 11:33	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**218**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**208**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	**10.4**	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**455**	mg/L	10.0	10.0	1		10/17/24 13:32		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/18/24 16:18		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25I **Lab ID: 50384957005** Collected: 10/14/24 11:40 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:14	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.7**	mg/L	1.0	0.25	1		10/23/24 02:19		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25D **Lab ID: 50384957006** Collected: 10/14/24 10:05 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**85.7**	mg/L	2.5	1.3	10		10/20/24 03:53	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.016	1		10/24/24 22:20	16984-48-8	
Sulfate	**80.4**	mg/L	2.5	1.9	10		10/20/24 03:53	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**1230**	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:49	7440-42-8	
Calcium	**75800**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:49	7440-70-2	
Iron	**1300**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:49	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:49	7439-92-1	
Lithium	**70.1**	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:49	7439-93-2	
Magnesium	**16400**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:49	7439-95-4	
Manganese	**103**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:49	7439-96-5	
Molybdenum	**175**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:49	7439-98-7	
Potassium	**3670**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:49	7440-09-7	
Sodium	**74000**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:49	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**168**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:36	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 11:37	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 11:37	7440-38-2	
Barium	**53.6**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 11:37	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 11:37	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 11:37	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**221**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**207**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	**14.4**	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**491**	mg/L	10.0	10.0	1		10/17/24 13:32		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/18/24 16:19		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25D **Lab ID: 50384957006** Collected: 10/14/24 10:05 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:10	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.7**	mg/L	1.0	0.25	1		10/23/24 02:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: Dup-6 **Lab ID: 50384957007** Collected: 10/14/24 08:00 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**85.9**	mg/L	2.5	1.3	10		10/20/24 04:26	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.016	1		10/24/24 22:56	16984-48-8	
Sulfate	**80.9**	mg/L	2.5	1.9	10		10/20/24 04:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1210**	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:51	7440-42-8	
Calcium	**74300**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:51	7440-70-2	
Iron	**1280**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:51	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:51	7439-92-1	
Lithium	**63.0**	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:51	7439-93-2	
Magnesium	**16100**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:51	7439-95-4	
Manganese	**101**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:51	7439-96-5	
Molybdenum	**172**	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:51	7439-98-7	
Potassium	**3500**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:51	7440-09-7	
Sodium	**72700**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:51	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**167**	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:39	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 11:41	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 11:41	7440-38-2	
Barium	**53.6**	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 11:41	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 11:41	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 11:41	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**222**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	**209**	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	**13.6**	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**469**	mg/L	10.0	10.0	1		10/17/24 13:32		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/18/24 16:20		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: Dup-6 **Lab ID: 50384957007** Collected: 10/14/24 08:00 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:09	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.25	1		10/23/24 03:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: Field Blank-3 **Lab ID: 50384957008** Collected: 10/14/24 13:45 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		10/24/24 21:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/24/24 21:25	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		10/24/24 21:25	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:53	7440-42-8	
Calcium	ND	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:53	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:53	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:53	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:53	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:53	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:53	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:53	7439-98-7	
Potassium	ND	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:53	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:53	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:41	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/18/24 09:13	10/19/24 11:45	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/18/24 09:13	10/19/24 11:45	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	10/18/24 09:13	10/19/24 11:45	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/18/24 09:13	10/19/24 11:45	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/18/24 09:13	10/19/24 11:45	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/15/24 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/15/24 23:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		10/17/24 13:49		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.6**	Std. Units	0.10	0.10	1		10/18/24 16:33		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: Field Blank-3 **Lab ID: 50384957008** Collected: 10/14/24 13:45 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:29	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/23/24 03:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814610
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

METHOD BLANK: 3726543 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/19/24 16:45	
Fluoride	mg/L	ND	0.10	0.016	10/19/24 16:45	
Sulfate	mg/L	ND	0.25	0.19	10/19/24 16:45	

LABORATORY CONTROL SAMPLE: 3726544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	101	80-120	
Fluoride	mg/L	1	1.1	110	80-120	
Sulfate	mg/L	5	5.3	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726545 3726546

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	55.3	25	25	76.6	77.1	85	87	80-120	1	15	
Fluoride	mg/L	0.27	1	1	1.2	1.2	95	95	80-120	0	15	
Sulfate	mg/L	43.9	5	5	48.9	48.9	98	100	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 813678
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

METHOD BLANK: 3722263 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/23/24 17:10	
Calcium	ug/L	ND	1000	83.9	10/23/24 17:10	
Iron	ug/L	ND	100	41.0	10/23/24 17:10	
Lead	ug/L	ND	10.0	2.0	10/23/24 17:10	
Lithium	ug/L	ND	20.0	3.8	10/23/24 17:10	
Magnesium	ug/L	ND	1000	53.7	10/23/24 17:10	
Manganese	ug/L	ND	10.0	0.77	10/23/24 17:10	
Molybdenum	ug/L	ND	10.0	1.4	10/23/24 17:10	
Potassium	ug/L	ND	1000	113	10/23/24 17:10	
Sodium	ug/L	ND	1000	95.0	10/23/24 17:10	

LABORATORY CONTROL SAMPLE: 3722264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	952	95	80-120	
Calcium	ug/L	10000	9800	98	80-120	
Iron	ug/L	10000	9750	98	80-120	
Lead	ug/L	1000	945	95	80-120	
Lithium	ug/L	1000	978	98	80-120	
Magnesium	ug/L	10000	9590	96	80-120	
Manganese	ug/L	1000	988	99	80-120	
Molybdenum	ug/L	1000	989	99	80-120	
Potassium	ug/L	10000	9460	95	80-120	
Sodium	ug/L	10000	9330	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1060	1100	97	101	75-125	4	20	
Calcium	ug/L	77400	10000	10000	84800	87000	74	96	75-125	2	20	P6
Iron	ug/L	917	10000	10000	10600	10900	97	100	75-125	3	20	
Lead	ug/L	ND	1000	1000	943	969	94	97	75-125	3	20	
Lithium	ug/L	ND	1000	1000	999	1010	100	101	75-125	1	20	
Magnesium	ug/L	25400	10000	10000	34100	35000	87	96	75-125	3	20	
Manganese	ug/L	153	1000	1000	1130	1160	98	101	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	ug/L	10.6	1000	1000	1040	1070	102	106	75-125	3	20	
Potassium	ug/L	3700	10000	10000	13300	13400	96	97	75-125	1	20	
Sodium	ug/L	44400	10000	10000	52500	53400	81	90	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722267 3722268

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1040	1040	98	98	75-125	0	20	
Calcium	ug/L	103000	10000	10000	107000	107000	39	39	75-125	0	20	P6
Iron	ug/L	ND	10000	10000	9750	9850	98	99	75-125	1	20	
Lead	ug/L	ND	1000	1000	947	959	95	96	75-125	1	20	
Lithium	ug/L	ND	1000	1000	995	1020	99	101	75-125	2	20	
Magnesium	ug/L	27500	10000	10000	35500	35600	79	81	75-125	0	20	
Manganese	ug/L	1010	1000	1000	1930	1940	93	94	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1040	1040	104	104	75-125	0	20	
Potassium	ug/L	1350	10000	10000	10800	11100	94	97	75-125	3	20	
Sodium	ug/L	28600	10000	10000	36300	36600	76	79	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 813685
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

METHOD BLANK: 3722291 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/22/24 03:59	

LABORATORY CONTROL SAMPLE: 3722292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	985	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722293 3722294

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	11.4	1000	1000	990	999	98	99	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722295 3722296

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	963	994	96	99	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814209
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

METHOD BLANK: 3724376 Matrix: Water
Associated Lab Samples: 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/19/24 09:42	
Arsenic	ug/L	ND	1.0	0.080	10/19/24 09:42	
Barium	ug/L	ND	1.0	0.11	10/19/24 09:42	
Cobalt	ug/L	ND	1.0	0.045	10/19/24 09:42	
Selenium	ug/L	ND	1.0	0.26	10/19/24 09:42	

LABORATORY CONTROL SAMPLE: 3724377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.1	103	80-120	
Arsenic	ug/L	40	39.3	98	80-120	
Barium	ug/L	40	38.1	95	80-120	
Cobalt	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	39.8	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724378 3724379

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.2	42.1	106	105	75-125	0	20	
Arsenic	ug/L	2.8	40	40	42.0	41.9	98	98	75-125	0	20	
Barium	ug/L	88.8	40	40	134	135	114	115	75-125	0	20	
Cobalt	ug/L	ND	40	40	39.2	39.6	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	40.1	39.6	100	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814451
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002

METHOD BLANK: 3725475 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/22/24 02:29	
Arsenic	ug/L	ND	1.0	0.080	10/22/24 02:29	
Barium	ug/L	ND	1.0	0.11	10/22/24 02:29	
Cobalt	ug/L	ND	1.0	0.045	10/22/24 02:29	
Selenium	ug/L	ND	1.0	0.26	10/22/24 02:29	

LABORATORY CONTROL SAMPLE: 3725476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.5	106	80-120	
Arsenic	ug/L	40	40.5	101	80-120	
Barium	ug/L	40	40.4	101	80-120	
Cobalt	ug/L	40	41.5	104	80-120	
Selenium	ug/L	40	40.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725477 3725478

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.1	42.8	105	107	75-125	2	20	
Arsenic	ug/L	ND	40	40	39.0	39.4	97	98	75-125	1	20	
Barium	ug/L	41.3	40	40	81.6	81.7	101	101	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.4	38.2	94	94	75-125	1	20	
Selenium	ug/L	2.1	40	40	41.7	41.1	99	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 813884 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

METHOD BLANK: 3723188 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/15/24 23:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/15/24 23:29	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/15/24 23:29	

LABORATORY CONTROL SAMPLE: 3723189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.2	96	90-110	

SAMPLE DUPLICATE: 3723190

Parameter	Units	50384745008 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	518	528	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	178	184	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	340	344	1	20	

SAMPLE DUPLICATE: 3723191

Parameter	Units	50384957003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	276	282	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	276	282	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814192 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007

METHOD BLANK: 3724324 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/17/24 13:27	

LABORATORY CONTROL SAMPLE: 3724325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	80-120	

SAMPLE DUPLICATE: 3724326

Parameter	Units	50384957003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	415	403	3	10	

SAMPLE DUPLICATE: 3724327

Parameter	Units	50384873005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	310	327	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814193
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957008

METHOD BLANK: 3724328 Matrix: Water
Associated Lab Samples: 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/17/24 13:48	

LABORATORY CONTROL SAMPLE: 3724329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	278	93	80-120	

SAMPLE DUPLICATE: 3724330

Parameter	Units	50384959002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	412	421	2	10	

SAMPLE DUPLICATE: 3724331

Parameter	Units	50385159006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2330	2390	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814484
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

SAMPLE DUPLICATE: 3725766

Parameter	Units	50384957003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3725767

Parameter	Units	50384959002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 813682
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

METHOD BLANK: 3722281 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/14/24 22:05	

LABORATORY CONTROL SAMPLE: 3722282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722283 3722284

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	3.0	5	5	8.3	8.2	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722285 3722286

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	103	104	90-110	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814955
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006

METHOD BLANK: 3727542 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/22/24 21:14	

LABORATORY CONTROL SAMPLE: 3727543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727544 3727545

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.7	10	10	11.2	11.0	95	93	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727546

Parameter	Units	50384957004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.7	10	11.8	91	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 814957
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384957007, 50384957008

METHOD BLANK: 3727549 Matrix: Water
Associated Lab Samples: 50384957007, 50384957008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/23/24 02:44	

LABORATORY CONTROL SAMPLE: 3727550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727551 3727552

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.9	10	10	11.2	11.0	92	90	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727553

Parameter	Units	50385103001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	3.4	10	11.8	84	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24S **Lab ID: 50384957001** Collected: 10/14/24 12:51 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.605 (1.21) C:NA T:86%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.625 ± 0.427 (0.828) C:79% T:83%**	pCi/L	10/24/24 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.625 ± 1.03 (2.04)**	pCi/L	10/30/24 09:45	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24I **Lab ID: 50384957002** Collected: 10/14/24 11:09 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.399 ± 0.847 (1.49) C:NA T:86%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.293 ± 0.351 (0.741) C:82% T:89%**	pCi/L	10/24/24 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.692 ± 1.20 (2.23)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24D **Lab ID: 50384957003** Collected: 10/14/24 09:49 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.530 ± 0.624 (1.03) C:NA T:92%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.617 ± 0.356 (0.656) C:87% T:89%**	pCi/L	10/24/24 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.15 ± 0.980 (1.69)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25S **Lab ID: 50384957004** Collected: 10/14/24 13:05 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.353 ± 0.633 (1.32) C:NA T:93%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.537 ± 0.363 (0.698) C:84% T:87%**	pCi/L	10/24/24 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.537 ± 0.996 (2.02)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25I **Lab ID: 50384957005** Collected: 10/14/24 11:40 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.62 ± 0.848 (1.08) C:NA T:95%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.749 ± 0.432 (0.795) C:80% T:86%**	pCi/L	10/24/24 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.37 ± 1.28 (1.88)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-25D **Lab ID: 50384957006** Collected: 10/14/24 10:05 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.322 ± 0.580 (1.02) C:NA T:91%**	pCi/L	10/28/24 15:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.04 ± 0.439 (0.709) C:81% T:87%**	pCi/L	10/24/24 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.36 ± 1.02 (1.73)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: Dup-6 **Lab ID: 50384957007** Collected: 10/14/24 08:00 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.448 ± 0.855 (1.50) C:NA T:89%**	pCi/L	10/28/24 15:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.535 ± 0.355 (0.678) C:81% T:90%**	pCi/L	10/24/24 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.983 ± 1.21 (2.18)**	pCi/L	10/30/24 09:45	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: Field Blank-3 **Lab ID: 50384957008** Collected: 10/14/24 13:45 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.310 (0.694) C:NA T:90%**	pCi/L	10/28/24 15:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.419 ± 0.309 (0.602) C:84% T:93%**	pCi/L	10/24/24 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.419 ± 0.619 (1.30)**	pCi/L	10/30/24 09:45	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24D MS **Lab ID: 50384957009** Collected: 10/14/24 09:49 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**95.57 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/28/24 15:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**86.71 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/24/24 12:25	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Sample: MW-24D MSD **Lab ID: 50384957010** Collected: 10/14/24 09:49 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**122.64 %REC 24.80RPD ± NA (NA) C:NA T:NA**	pCi/L	10/28/24 15:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**83.95 %REC 3.23RPD ± NA (NA) C:NA T:NA**	pCi/L	10/24/24 12:25	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 703874 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008, 50384957009, 50384957010

METHOD BLANK: 3427677 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008, 50384957009, 50384957010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.161 ± 0.259 (0.561) C:80% T:93%	pCi/L	10/24/24 12:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

QC Batch: 703869
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008, 50384957009, 50384957010

METHOD BLANK: 3427668 Matrix: Water
Associated Lab Samples: 50384957001, 50384957002, 50384957003, 50384957004, 50384957005, 50384957006, 50384957007, 50384957008, 50384957009, 50384957010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.215 ± 0.367 (0.647) C:NA T:94%	pCi/L	10/28/24 14:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384957001	**MW-24S**	EPA 9056	814610		
50384957002	**MW-24I**	EPA 9056	814610		
50384957003	**MW-24D**	EPA 9056	814610		
50384957004	**MW-25S**	EPA 9056	814610		
50384957005	**MW-25I**	EPA 9056	814610		
50384957006	**MW-25D**	EPA 9056	814610		
50384957007	**Dup-6**	EPA 9056	814610		
50384957008	**Field Blank-3**	EPA 9056	814610		
50384957001	**MW-24S**	EPA 3010	813678	EPA 6010	815227
50384957002	**MW-24I**	EPA 3010	813678	EPA 6010	815227
50384957003	**MW-24D**	EPA 3010	813678	EPA 6010	815227
50384957004	**MW-25S**	EPA 3010	813678	EPA 6010	815227
50384957005	**MW-25I**	EPA 3010	813678	EPA 6010	815227
50384957006	**MW-25D**	EPA 3010	813678	EPA 6010	815227
50384957007	**Dup-6**	EPA 3010	813678	EPA 6010	815227
50384957008	**Field Blank-3**	EPA 3010	813678	EPA 6010	815227
50384957001	**MW-24S**	EPA 3010	813685	EPA 6010	814825
50384957002	**MW-24I**	EPA 3010	813685	EPA 6010	814825
50384957003	**MW-24D**	EPA 3010	813685	EPA 6010	814825
50384957004	**MW-25S**	EPA 3010	813685	EPA 6010	814825
50384957005	**MW-25I**	EPA 3010	813685	EPA 6010	814825
50384957006	**MW-25D**	EPA 3010	813685	EPA 6010	814825
50384957007	**Dup-6**	EPA 3010	813685	EPA 6010	814825
50384957008	**Field Blank-3**	EPA 3010	813685	EPA 6010	814825
50384957001	**MW-24S**	EPA 200.2	814451	EPA 6020	814805
50384957002	**MW-24I**	EPA 200.2	814451	EPA 6020	814805
50384957003	**MW-24D**	EPA 200.2	814209	EPA 6020	814571
50384957004	**MW-25S**	EPA 200.2	814209	EPA 6020	814571
50384957005	**MW-25I**	EPA 200.2	814209	EPA 6020	814571
50384957006	**MW-25D**	EPA 200.2	814209	EPA 6020	814571
50384957007	**Dup-6**	EPA 200.2	814209	EPA 6020	814571
50384957008	**Field Blank-3**	EPA 200.2	814209	EPA 6020	814571
50384957001	**MW-24S**	EPA 903.1	703869		
50384957002	**MW-24I**	EPA 903.1	703869		
50384957003	**MW-24D**	EPA 903.1	703869		
50384957004	**MW-25S**	EPA 903.1	703869		
50384957005	**MW-25I**	EPA 903.1	703869		
50384957006	**MW-25D**	EPA 903.1	703869		
50384957007	**Dup-6**	EPA 903.1	703869		
50384957008	**Field Blank-3**	EPA 903.1	703869		
50384957009	**MW-24D MS**	EPA 903.1	703869		
50384957010	**MW-24D MSD**	EPA 903.1	703869		
50384957001	**MW-24S**	EPA 904.0	703874		
50384957002	**MW-24I**	EPA 904.0	703874		
50384957003	**MW-24D**	EPA 904.0	703874		
50384957004	**MW-25S**	EPA 904.0	703874		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384957005	**MW-25I**	EPA 904.0	703874		
50384957006	**MW-25D**	EPA 904.0	703874		
50384957007	**Dup-6**	EPA 904.0	703874		
50384957008	**Field Blank-3**	EPA 904.0	703874		
50384957009	**MW-24D MS**	EPA 904.0	703874		
50384957010	**MW-24D MSD**	EPA 904.0	703874		
50384957001	**MW-24S**	Total Radium Calculation	706219		
50384957002	**MW-24I**	Total Radium Calculation	706219		
50384957003	**MW-24D**	Total Radium Calculation	706219		
50384957004	**MW-25S**	Total Radium Calculation	706219		
50384957005	**MW-25I**	Total Radium Calculation	706219		
50384957006	**MW-25D**	Total Radium Calculation	706219		
50384957007	**Dup-6**	Total Radium Calculation	706219		
50384957008	**Field Blank-3**	Total Radium Calculation	706219		
50384957001	**MW-24S**	SM 2320B	813884		
50384957002	**MW-24I**	SM 2320B	813884		
50384957003	**MW-24D**	SM 2320B	813884		
50384957004	**MW-25S**	SM 2320B	813884		
50384957005	**MW-25I**	SM 2320B	813884		
50384957006	**MW-25D**	SM 2320B	813884		
50384957007	**Dup-6**	SM 2320B	813884		
50384957008	**Field Blank-3**	SM 2320B	813884		
50384957001	**MW-24S**	SM 2540C	814192		
50384957002	**MW-24I**	SM 2540C	814192		
50384957003	**MW-24D**	SM 2540C	814192		
50384957004	**MW-25S**	SM 2540C	814192		
50384957005	**MW-25I**	SM 2540C	814192		
50384957006	**MW-25D**	SM 2540C	814192		
50384957007	**Dup-6**	SM 2540C	814192		
50384957008	**Field Blank-3**	SM 2540C	814193		
50384957001	**MW-24S**	SM 4500-H+B	814484		
50384957002	**MW-24I**	SM 4500-H+B	814484		
50384957003	**MW-24D**	SM 4500-H+B	814484		
50384957004	**MW-25S**	SM 4500-H+B	814484		
50384957005	**MW-25I**	SM 4500-H+B	814484		
50384957006	**MW-25D**	SM 4500-H+B	814484		
50384957007	**Dup-6**	SM 4500-H+B	814484		
50384957008	**Field Blank-3**	SM 4500-H+B	814484		
50384957001	**MW-24S**	EPA 353.2	813682		
50384957002	**MW-24I**	EPA 353.2	813682		
50384957003	**MW-24D**	EPA 353.2	813682		
50384957004	**MW-25S**	EPA 353.2	813682		
50384957005	**MW-25I**	EPA 353.2	813682		
50384957006	**MW-25D**	EPA 353.2	813682		
50384957007	**Dup-6**	EPA 353.2	813682		
50384957008	**Field Blank-3**	EPA 353.2	813682		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley Oct 2024 P1R2
Pace Project No.: 50384957

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384957001	**MW-24S**	SM 5310C	814955		
50384957002	**MW-24I**	SM 5310C	814955		
50384957003	**MW-24D**	SM 5310C	814955		
50384957004	**MW-25S**	SM 5310C	814955		
50384957005	**MW-25I**	SM 5310C	814955		
50384957006	**MW-25D**	SM 5310C	814955		
50384957007	**Dup-6**	SM 5310C	814957		
50384957008	**Field Blank-3**	SM 5310C	814957		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50384957

50384957

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley October 2024	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):	PIR2	Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	8010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4			Sample Comment	Preservation non-conformance identified for sample.
MW-24S	GW	G	10/14/24	1251			8			X	X	X	X	X	X	X	X			001	
MW-24I	GW	G	10/14/24	1109			8			X	X	X	X	X	X	X	X			002	
MW-24D	GW	G	10/14/24	0949			8			X	X	X	X	X	X	X	X			003	
MW-25S	GW	G	10/14/24	1305			8			X	X	X	X	X	X	X	X			004	
MW-25I	GW	G	10/14/24	1140			8			X	X	X	X	X	X	X	X			005	
MW-25D	GW	G	10/14/24	1005			8			X	X	X	X	X	X	X	X			006	
Dup-6	GW	G	10/14/24	—			8			X	X	X	X	X	X	X	X			007	
Field Blnk-3	GW	G	10/14/24	1345			8			X	X	X	X	X	X	X	X			008	
MS-3	GW	G	10/14/24	0949			8			X	X	X	X	X	X	X	X				
MSD-3	GW	G	10/14/24	0949			8			X	X	X	X	X	X	X	X				

Specify Container Size **: 2 3 3 3 3 3 1 3

Identify Container Preservative Type***: 1 1 1 3 2 2 2 1

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Will Statz
AcctNum / Client ID:
Table #:
Profile / Template: 10498-62
Prelog / Bottle Ord. ID: EZ 3155242

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Keyon Lowhead, Mykiah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
Short Hold

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice
4	D	0.0	see scan		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Keyon Lowhead / Atlas	10/14/24 1630		10/14/24 16:30	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [X] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/14/24 16:35 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 0.8/0.8 | 2.6/2.6 | 0.6/0.6 | 0.5/0.5

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: Circle One — Fed Ex UPS (Client) Pace Now/Jett Other

4. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate 353.2	—	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		—
Custody Signatures Present?	—	
Containers Intact?:	—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	—		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A —
Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Trip Blank Present?	—		
Trip Blank Custody Seals?:			—
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER						Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
COC Line Item	WGFU	WGKU	BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit							
1														1			2	1	2	1	1									WT	✓	✓		
2														↓			↓	↓	↓	↓	↓													
3														2			6	3	6	3	3													
4														1			2	1	2	1	1													
5														|			|	|	|	|	|												
6														|			|	|	|	|	|												
7														|			|	|	|	|	|												
8														↓			↓	↓	↓	↓	↓									↓	↓	↓		
9																																		
10																																		
11																																		
12																																		✓

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic*

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Dear Mr. Breting:

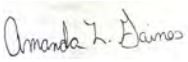
Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50384959001	**MW-22D**	Water	10/14/24 11:30	10/14/24 16:30
50384959002	**MW-22S**	Water	10/14/24 12:50	10/14/24 16:30
50384959003	**MW-22S MS**	Water	10/14/24 12:50	10/14/24 16:30
50384959004	**MW-22S MSD**	Water	10/14/24 12:50	10/14/24 16:30
50384959005	**Field Blank-4**	Water	10/14/24 12:34	10/14/24 16:30

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50384959001	**MW-22D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384959002	**MW-22S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50384959003	**MW-22S MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
50384959004	**MW-22S MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
50384959005	**Field Blank-4**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ABH	10	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384959001	**MW-22D**					
EPA 9056	Chloride	18.0	mg/L	0.25	10/19/24 23:55	
EPA 9056	Sulfate	47.3	mg/L	0.25	10/19/24 23:55	
EPA 6010	Calcium	76100	ug/L	1000	10/23/24 17:56	
EPA 6010	Iron	1100	ug/L	100	10/23/24 17:56	
EPA 6010	Magnesium	23200	ug/L	1000	10/23/24 17:56	
EPA 6010	Manganese	296	ug/L	10.0	10/23/24 17:56	
EPA 6010	Potassium	1610	ug/L	1000	10/23/24 17:56	
EPA 6010	Sodium	9280	ug/L	1000	10/23/24 17:56	
EPA 6020	Arsenic	4.1	ug/L	1.0	10/22/24 04:04	
EPA 6020	Barium	96.9	ug/L	1.0	10/22/24 04:04	
EPA 903.1	Radium-226	0.314 ± 0.729 (1.30) C:NA T:90%	pCi/L		10/31/24 14:27	
EPA 904.0	Radium-228	0.334 ± 0.366 (0.766) C:75% T:87%	pCi/L		10/31/24 11:25	
Total Radium Calculation	Total Radium	0.648 ± 1.10 (2.07)	pCi/L		11/01/24 14:21	
SM 2320B	Alkalinity, Total as CaCO3	237	mg/L	10.0	10/17/24 01:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	237	mg/L	10.0	10/17/24 01:18	
SM 2540C	Total Dissolved Solids	281	mg/L	10.0	10/17/24 13:49	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/18/24 16:21	H3
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	10/23/24 03:27	
50384959002	**MW-22S**					
EPA 9056	Chloride	31.0	mg/L	2.5	10/20/24 00:45	
EPA 9056	Fluoride	0.12	mg/L	0.10	10/20/24 00:28	
EPA 9056	Sulfate	33.2	mg/L	0.25	10/20/24 00:28	
EPA 6010	Calcium	103000	ug/L	1000	10/23/24 18:02	
EPA 6010	Magnesium	27500	ug/L	1000	10/23/24 18:02	
EPA 6010	Manganese	1010	ug/L	10.0	10/23/24 18:02	
EPA 6010	Potassium	1350	ug/L	1000	10/23/24 18:02	
EPA 6010	Sodium	28600	ug/L	1000	10/23/24 18:02	
EPA 6020	Barium	41.3	ug/L	1.0	10/22/24 03:31	
EPA 6020	Selenium	2.1	ug/L	1.0	10/22/24 03:31	
EPA 903.1	Radium-226	0.129 ± 0.367 (0.681) C:NA T:92%	pCi/L		10/31/24 14:40	
EPA 904.0	Radium-228	-0.0801 ± 0.367 (0.865) C:77% T:86%	pCi/L		10/31/24 11:25	
Total Radium Calculation	Total Radium	0.129 ± 0.734 (1.55)	pCi/L		11/01/24 14:21	
SM 2320B	Alkalinity, Total as CaCO3	323	mg/L	10.0	10/17/24 01:18	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50384959002	**MW-22S**					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	323	mg/L	10.0	10/17/24 01:18	
SM 2540C	Total Dissolved Solids	412	mg/L	10.0	10/17/24 13:49	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	10/18/24 16:22	H3
EPA 353.2	Nitrogen, Nitrate	3.0	mg/L	0.10	10/14/24 22:16	
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	10/23/24 04:02	
50384959003	**MW-22S MS**					
EPA 903.1	Radium-226	105.37 %REC ± NA (NA) C:NA T:NA	pCi/L		10/31/24 16:05	
EPA 904.0	Radium-228	110.84 %REC ± NA (NA) C:NA T:NA	pCi/L		10/31/24 11:25	
50384959004	**MW-22S MSD**					
EPA 903.1	Radium-226	87.14 %REC 18.94RPD ± NA (NA) C:NA T:NA	pCi/L		10/31/24 14:40	
EPA 904.0	Radium-228	85.97 %REC 25.28RPD ± NA (NA) C:NA T:NA	pCi/L		10/31/24 11:25	
50384959005	**Field Blank-4**					
EPA 903.1	Radium-226	0.0582 ± 0.342 (0.699) C:NA T:94%	pCi/L		10/31/24 14:40	
EPA 904.0	Radium-228	0.315 ± 0.343 (0.716) C:80% T:90%	pCi/L		10/31/24 11:25	
Total Radium Calculation	Total Radium	0.373 ± 0.685 (1.42)	pCi/L		11/01/24 14:21	
SM 4500-H+B	pH at 25 Degrees C	6.4	Std. Units	0.10	10/18/24 16:25	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22D **Lab ID: 50384959001** Collected: 10/14/24 11:30 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**18.0**	mg/L	0.25	0.13	1		10/19/24 23:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/19/24 23:55	16984-48-8	
Sulfate	**47.3**	mg/L	0.25	0.19	1		10/19/24 23:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 17:56	7440-42-8	
Calcium	**76100**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 17:56	7440-70-2	
Iron	**1100**	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 17:56	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 17:56	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 17:56	7439-93-2	
Magnesium	**23200**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 17:56	7439-95-4	
Manganese	**296**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 17:56	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 17:56	7439-98-7	
Potassium	**1610**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 17:56	7440-09-7	
Sodium	**9280**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 17:56	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:47	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/19/24 16:23	10/22/24 04:04	7440-36-0	
Arsenic	**4.1**	ug/L	1.0	0.080	1	10/19/24 16:23	10/22/24 04:04	7440-38-2	
Barium	**96.9**	ug/L	1.0	0.11	1	10/19/24 16:23	10/22/24 04:04	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/19/24 16:23	10/22/24 04:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/19/24 16:23	10/22/24 04:04	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**237**	mg/L	10.0	10.0	1		10/17/24 01:18		
Alkalinity,Bicarbonate (CaCO3)	**237**	mg/L	10.0	10.0	1		10/17/24 01:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 01:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**281**	mg/L	10.0	10.0	1		10/17/24 13:49		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/18/24 16:21		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22D **Lab ID: 50384959001** Collected: 10/14/24 11:30 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:36	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		10/23/24 03:27		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22S **Lab ID: 50384959002** Collected: 10/14/24 12:50 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**31.0**	mg/L	2.5	1.3	10		10/20/24 00:45	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.016	1		10/20/24 00:28	16984-48-8	
Sulfate	**33.2**	mg/L	0.25	0.19	1		10/20/24 00:28	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 18:02	7440-42-8	
Calcium	**103000**	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 18:02	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 18:02	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 18:02	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 18:02	7439-93-2	
Magnesium	**27500**	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 18:02	7439-95-4	
Manganese	**1010**	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 18:02	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 18:02	7439-98-7	
Potassium	**1350**	ug/L	1000	113	1	10/21/24 19:42	10/23/24 18:02	7440-09-7	
Sodium	**28600**	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 18:02	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:49	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/19/24 16:23	10/22/24 03:31	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/19/24 16:23	10/22/24 03:31	7440-38-2	
Barium	**41.3**	ug/L	1.0	0.11	1	10/19/24 16:23	10/22/24 03:31	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/19/24 16:23	10/22/24 03:31	7440-48-4	
Selenium	**2.1**	ug/L	1.0	0.26	1	10/19/24 16:23	10/22/24 03:31	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**323**	mg/L	10.0	10.0	1		10/17/24 01:18		
Alkalinity,Bicarbonate (CaCO3)	**323**	mg/L	10.0	10.0	1		10/17/24 01:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 01:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**412**	mg/L	10.0	10.0	1		10/17/24 13:49		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		10/18/24 16:22		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22S **Lab ID: 50384959002** Collected: 10/14/24 12:50 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.0**	mg/L	0.10	0.013	1		10/14/24 22:16	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.9**	mg/L	1.0	0.25	1		10/23/24 04:02		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: Field Blank-4 **Lab ID: 50384959005** Collected: 10/14/24 12:34 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		10/20/24 02:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/20/24 02:43	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		10/20/24 02:43	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/21/24 19:42	10/23/24 18:09	7440-42-8	
Calcium	ND	ug/L	1000	83.9	1	10/21/24 19:42	10/23/24 18:09	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/21/24 19:42	10/23/24 18:09	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/21/24 19:42	10/23/24 18:09	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/21/24 19:42	10/23/24 18:09	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	10/21/24 19:42	10/23/24 18:09	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/21/24 19:42	10/23/24 18:09	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/21/24 19:42	10/23/24 18:09	7439-98-7	
Potassium	ND	ug/L	1000	113	1	10/21/24 19:42	10/23/24 18:09	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	10/21/24 19:42	10/23/24 18:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/21/24 19:32	10/22/24 04:55	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/19/24 16:23	10/22/24 04:07	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/19/24 16:23	10/22/24 04:07	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	10/19/24 16:23	10/22/24 04:07	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/19/24 16:23	10/22/24 04:07	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/19/24 16:23	10/22/24 04:07	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		10/17/24 01:18		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 01:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 01:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		10/17/24 13:49		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.4**	Std. Units	0.10	0.10	1		10/18/24 16:25		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: Field Blank-4 **Lab ID: 50384959005** Collected: 10/14/24 12:34 Received: 10/14/24 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/14/24 22:38	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/23/24 04:37		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 814590
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3726335 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/19/24 13:00	
Fluoride	mg/L	ND	0.10	0.016	10/19/24 13:00	
Sulfate	mg/L	ND	0.25	0.19	10/19/24 13:00	

LABORATORY CONTROL SAMPLE: 3726336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	93	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726337 3726338

Parameter	Units	50384860002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.3	25	25	47.4	47.3	92	92	80-120	0	15	
Fluoride	mg/L	0.19	1	1	1.2	1.2	96	97	80-120	0	15	
Sulfate	mg/L	1.6	5	5	6.4	6.4	96	96	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726339 3726340

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	31.0	25	25	53.6	53.9	90	92	80-120	1	15	
Fluoride	mg/L	0.12	1	1	1.1	1.1	99	99	80-120	0	15	
Sulfate	mg/L	33.2	5	5	38.6	38.4	108	104	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 813678
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3722263 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/23/24 17:10	
Calcium	ug/L	ND	1000	83.9	10/23/24 17:10	
Iron	ug/L	ND	100	41.0	10/23/24 17:10	
Lead	ug/L	ND	10.0	2.0	10/23/24 17:10	
Lithium	ug/L	ND	20.0	3.8	10/23/24 17:10	
Magnesium	ug/L	ND	1000	53.7	10/23/24 17:10	
Manganese	ug/L	ND	10.0	0.77	10/23/24 17:10	
Molybdenum	ug/L	ND	10.0	1.4	10/23/24 17:10	
Potassium	ug/L	ND	1000	113	10/23/24 17:10	
Sodium	ug/L	ND	1000	95.0	10/23/24 17:10	

LABORATORY CONTROL SAMPLE: 3722264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	952	95	80-120	
Calcium	ug/L	10000	9800	98	80-120	
Iron	ug/L	10000	9750	98	80-120	
Lead	ug/L	1000	945	95	80-120	
Lithium	ug/L	1000	978	98	80-120	
Magnesium	ug/L	10000	9590	96	80-120	
Manganese	ug/L	1000	988	99	80-120	
Molybdenum	ug/L	1000	989	99	80-120	
Potassium	ug/L	10000	9460	95	80-120	
Sodium	ug/L	10000	9330	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1060	1100	97	101	75-125	4	20	
Calcium	ug/L	77400	10000	10000	84800	87000	74	96	75-125	2	20	P6
Iron	ug/L	917	10000	10000	10600	10900	97	100	75-125	3	20	
Lead	ug/L	ND	1000	1000	943	969	94	97	75-125	3	20	
Lithium	ug/L	ND	1000	1000	999	1010	100	101	75-125	1	20	
Magnesium	ug/L	25400	10000	10000	34100	35000	87	96	75-125	3	20	
Manganese	ug/L	153	1000	1000	1130	1160	98	101	75-125	3	20	
Molybdenum	ug/L	10.6	1000	1000	1040	1070	102	106	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722265 3722266

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	3700	10000	10000	13300	13400	96	97	75-125	1	20	
Sodium	ug/L	44400	10000	10000	52500	53400	81	90	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722267 3722268

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1040	1040	98	98	75-125	0	20	
Calcium	ug/L	103000	10000	10000	107000	107000	39	39	75-125	0	20	P6
Iron	ug/L	ND	10000	10000	9750	9850	98	99	75-125	1	20	
Lead	ug/L	ND	1000	1000	947	959	95	96	75-125	1	20	
Lithium	ug/L	ND	1000	1000	995	1020	99	101	75-125	2	20	
Magnesium	ug/L	27500	10000	10000	35500	35600	79	81	75-125	0	20	
Manganese	ug/L	1010	1000	1000	1930	1940	93	94	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1040	1040	104	104	75-125	0	20	
Potassium	ug/L	1350	10000	10000	10800	11100	94	97	75-125	3	20	
Sodium	ug/L	28600	10000	10000	36300	36600	76	79	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 813685
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3722291 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/22/24 03:59	

LABORATORY CONTROL SAMPLE: 3722292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	985	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722293 3722294

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	11.4	1000	1000	990	999	98	99	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722295 3722296

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	963	994	96	99	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 814451
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3725475 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/22/24 02:29	
Arsenic	ug/L	ND	1.0	0.080	10/22/24 02:29	
Barium	ug/L	ND	1.0	0.11	10/22/24 02:29	
Cobalt	ug/L	ND	1.0	0.045	10/22/24 02:29	
Selenium	ug/L	ND	1.0	0.26	10/22/24 02:29	

LABORATORY CONTROL SAMPLE: 3725476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.5	106	80-120	
Arsenic	ug/L	40	40.5	101	80-120	
Barium	ug/L	40	40.4	101	80-120	
Cobalt	ug/L	40	41.5	104	80-120	
Selenium	ug/L	40	40.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725477 3725478

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.1	42.8	105	107	75-125	2	20	
Arsenic	ug/L	ND	40	40	39.0	39.4	97	98	75-125	1	20	
Barium	ug/L	41.3	40	40	81.6	81.7	101	101	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.4	38.2	94	94	75-125	1	20	
Selenium	ug/L	2.1	40	40	41.7	41.1	99	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 814133
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3724204 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/17/24 01:18	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/17/24 01:18	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/17/24 01:18	

LABORATORY CONTROL SAMPLE: 3724205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	46.7	93	90-110	

SAMPLE DUPLICATE: 3724136

Parameter	Units	50384959002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	323	327	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	323	327	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3724206

Parameter	Units	50384989001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	430	436	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	430	436	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 814193
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3724328 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/17/24 13:48	

LABORATORY CONTROL SAMPLE: 3724329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	278	93	80-120	

SAMPLE DUPLICATE: 3724330

Parameter	Units	50384959002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	412	421	2	10	

SAMPLE DUPLICATE: 3724331

Parameter	Units	50385159006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2330	2390	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 814484
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

SAMPLE DUPLICATE: 3725766

Parameter	Units	50384957003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3725767

Parameter	Units	50384959002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 813682
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3722281 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/14/24 22:05	

LABORATORY CONTROL SAMPLE: 3722282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722283 3722284

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	3.0	5	5	8.3	8.2	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3722285 3722286

Parameter	Units	50384957003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	103	104	90-110	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 814957 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50384959001, 50384959002, 50384959005

METHOD BLANK: 3727549 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/23/24 02:44	

LABORATORY CONTROL SAMPLE: 3727550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727551 3727552

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.9	10	10	11.2	11.0	92	90	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727553

Parameter	Units	50385103001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	3.4	10	11.8	84	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22D **Lab ID: 50384959001** Collected: 10/14/24 11:30 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.314 ± 0.729 (1.30) C:NA T:90%**	pCi/L	10/31/24 14:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.334 ± 0.366 (0.766) C:75% T:87%**	pCi/L	10/31/24 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.648 ± 1.10 (2.07)**	pCi/L	11/01/24 14:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22S **Lab ID: 50384959002** Collected: 10/14/24 12:50 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.129 ± 0.367 (0.681) C:NA T:92%**	pCi/L	10/31/24 14:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.0801 ± 0.367 (0.865) C:77% T:86%**	pCi/L	10/31/24 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.129 ± 0.734 (1.55)**	pCi/L	11/01/24 14:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22S MS **Lab ID: 50384959003** Collected: 10/14/24 12:50 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**105.37 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/31/24 16:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**110.84 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/31/24 11:25	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: MW-22S MSD **Lab ID: 50384959004** Collected: 10/14/24 12:50 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**87.14 %REC 18.94RPD ± NA (NA) C:NA T:NA**	pCi/L	10/31/24 14:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**85.97 %REC 25.28RPD ± NA (NA) C:NA T:NA**	pCi/L	10/31/24 11:25	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Sample: Field Blank-4 **Lab ID: 50384959005** Collected: 10/14/24 12:34 Received: 10/14/24 16:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0582 ± 0.342 (0.699) C:NA T:94%**	pCi/L	10/31/24 14:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.315 ± 0.343 (0.716) C:80% T:90%**	pCi/L	10/31/24 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.373 ± 0.685 (1.42)**	pCi/L	11/01/24 14:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 703576 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384959001, 50384959002, 50384959003, 50384959004, 50384959005

METHOD BLANK: 3426166 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959003, 50384959004, 50384959005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.278 ± 0.305 (0.632) C:74% T:91%	pCi/L	10/31/24 11:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

QC Batch: 703575 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50384959001, 50384959002, 50384959003, 50384959004, 50384959005

METHOD BLANK: 3426164 Matrix: Water
Associated Lab Samples: 50384959001, 50384959002, 50384959003, 50384959004, 50384959005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.340 ± 0.335 (0.510) C:NA T:95%	pCi/L	10/31/24 14:13	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R4
Pace Project No.: 50384959

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50384959001	**MW-22D**	EPA 9056	814590		
50384959002	**MW-22S**	EPA 9056	814590		
50384959005	**Field Blank-4**	EPA 9056	814590		
50384959001	**MW-22D**	EPA 3010	813678	EPA 6010	815227
50384959002	**MW-22S**	EPA 3010	813678	EPA 6010	815227
50384959005	**Field Blank-4**	EPA 3010	813678	EPA 6010	815227
50384959001	**MW-22D**	EPA 3010	813685	EPA 6010	814825
50384959002	**MW-22S**	EPA 3010	813685	EPA 6010	814825
50384959005	**Field Blank-4**	EPA 3010	813685	EPA 6010	814825
50384959001	**MW-22D**	EPA 200.2	814451	EPA 6020	814805
50384959002	**MW-22S**	EPA 200.2	814451	EPA 6020	814805
50384959005	**Field Blank-4**	EPA 200.2	814451	EPA 6020	814805
50384959001	**MW-22D**	EPA 903.1	703575		
50384959002	**MW-22S**	EPA 903.1	703575		
50384959003	**MW-22S MS**	EPA 903.1	703575		
50384959004	**MW-22S MSD**	EPA 903.1	703575		
50384959005	**Field Blank-4**	EPA 903.1	703575		
50384959001	**MW-22D**	EPA 904.0	703576		
50384959002	**MW-22S**	EPA 904.0	703576		
50384959003	**MW-22S MS**	EPA 904.0	703576		
50384959004	**MW-22S MSD**	EPA 904.0	703576		
50384959005	**Field Blank-4**	EPA 904.0	703576		
50384959001	**MW-22D**	Total Radium Calculation	706823		
50384959002	**MW-22S**	Total Radium Calculation	706823		
50384959005	**Field Blank-4**	Total Radium Calculation	706823		
50384959001	**MW-22D**	SM 2320B	814133		
50384959002	**MW-22S**	SM 2320B	814133		
50384959005	**Field Blank-4**	SM 2320B	814133		
50384959001	**MW-22D**	SM 2540C	814193		
50384959002	**MW-22S**	SM 2540C	814193		
50384959005	**Field Blank-4**	SM 2540C	814193		
50384959001	**MW-22D**	SM 4500-H+B	814484		
50384959002	**MW-22S**	SM 4500-H+B	814484		
50384959005	**Field Blank-4**	SM 4500-H+B	814484		
50384959001	**MW-22D**	EPA 353.2	813682		
50384959002	**MW-22S**	EPA 353.2	813682		
50384959005	**Field Blank-4**	EPA 353.2	813682		
50384959001	**MW-22D**	SM 5310C	814957		
50384959002	**MW-22S**	SM 5310C	814957		
50384959005	**Field Blank-4**	SM 5310C	814957		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50384959

50384959

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES00001		
Project Name:	Eagle Valley October 2024 PIR4	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4		Sample Comment	Preservation non-conformance identified for sample.
MW-22D	GW	G	10/14/24	1130						X	X	X	X	X	X	X	X		001	
MW-22S	GW	G		1250															002	
MS-4	GW	G		1250															003	
MSD-4	GW	G		1250															004	
Field Blank-4	GW	G		1234															005	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Will Statz**
AcctNum / Client ID:
Table #:
Profile / Template: **10498-62**
Prelog / Bottle Ord. ID: **EZ 3155242**

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By:
(Printed Name) Connor Edler / Mykah Bottom
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	G	-0.1	2.4	2.3	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/14/24 1630		10.14.24 1630	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [/] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CW 10.14.24 509/1709

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I
2. Cooler Temperature(s): 2.4/2.3 (Initial/Corrected)
RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: Fed Ex UPS (Client) Pace Now/Jett Other
Circle One

4. Custody Seal on Cooler/Box Present: ☐ Yes ☒ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

6. Ice Type: ☒ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	X		
Short Hold Time Analysis (48 hours or less)? Analysis: 353.2 Nitrate	X					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1805		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A X
Rush TAT Requested (4 days or less):		X	Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Custody Signatures Present?	X		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent X
Containers Intact?:	X		Trip Blank Present?		X	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		Trip Blank Custody Seals?:			X
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												3				6	3	6	6										WT	✓	✓		
2																													I	✓	✓		
3																																	
4																																	
5												1				2	1	2	2										WT	✓	✓		
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	✓

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic*

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Dear Mr. Breting:

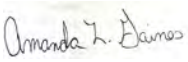
Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50385103001	**MW-1S**	Water	10/15/24 11:42	10/15/24 17:18
50385103002	**MW-1I**	Water	10/15/24 10:36	10/15/24 17:18
50385103003	**MW-1D**	Water	10/15/24 09:33	10/15/24 17:18
50385103004	**MW-7S**	Water	10/15/24 13:33	10/15/24 17:18
50385103005	**MW-11I**	Water	10/15/24 09:45	10/15/24 17:18
50385103006	**MW-11S**	Water	10/15/24 14:00	10/15/24 17:18
50385103007	**MW-11D**	Water	10/15/24 11:30	10/15/24 17:18
50385103008	**DUP-4**	Water	10/15/24 08:00	10/15/24 17:18
50385103009	**Field Blank 1**	Water	10/15/24 15:15	10/15/24 17:18
50385103010	**Field Blank 2**	Water	10/15/24 15:30	10/15/24 17:18

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50385103001	**MW-1S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103002	**MW-1I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103003	**MW-1D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103004	**MW-7S**	EPA 9056	ADM	3	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103005	**MW-11I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103006	**MW-11S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103007	**MW-11D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103008	**DUP-4**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103009	**Field Blank 1**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50385103010	**Field Blank 2**	EPA 9056	ADM	3	PASI-I
		EPA 6010	FRW	10	PASI-I
		EPA 6010	ABH	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	BEP	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50385103001	**MW-1S**					
EPA 9056	Chloride	113	mg/L	2.5	10/23/24 19:17	
EPA 9056	Fluoride	0.21	mg/L	0.10	10/23/24 18:59	
EPA 9056	Sulfate	105	mg/L	2.5	10/23/24 19:17	
EPA 6010	Boron	612	ug/L	100	10/24/24 10:22	
EPA 6010	Calcium	123000	ug/L	1000	10/24/24 10:22	
EPA 6010	Iron	147	ug/L	100	10/24/24 10:22	
EPA 6010	Lithium	71.9	ug/L	20.0	10/24/24 10:22	
EPA 6010	Magnesium	31100	ug/L	1000	10/24/24 10:22	
EPA 6010	Manganese	10.0	ug/L	10.0	10/24/24 10:22	
EPA 6010	Molybdenum	40.4	ug/L	10.0	10/24/24 10:22	
EPA 6010	Potassium	8110	ug/L	1000	10/24/24 10:22	
EPA 6010	Sodium	83000	ug/L	1000	10/24/24 10:22	
EPA 6010	Molybdenum, Dissolved	43.0	ug/L	10.0	10/17/24 17:32	
EPA 6020	Antimony	1.8	ug/L	1.0	10/23/24 01:58	
EPA 6020	Arsenic	4.4	ug/L	1.0	10/23/24 01:58	
EPA 6020	Barium	70.1	ug/L	1.0	10/23/24 01:58	
EPA 6020	Selenium	9.5	ug/L	1.0	10/23/24 01:58	
EPA 903.1	Radium-226	-0.0707 ± 0.772 (1.51) C:NA T:84%	pCi/L		10/28/24 14:43	
EPA 904.0	Radium-228	0.121 ± 0.263 (0.584) C:84% T:87%	pCi/L		10/24/24 12:23	
Total Radium Calculation	Total Radium	0.121 ± 1.04 (2.09)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	363	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	363	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	705	mg/L	10.0	10/18/24 10:20	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	10/21/24 12:10	H3
EPA 353.2	Nitrogen, Nitrate	0.83	mg/L	0.10	10/16/24 00:07	
SM 5310C	Dissolved Organic Carbon	3.4	mg/L	1.0	10/23/24 04:53	
50385103002	**MW-1I**					
EPA 9056	Chloride	98.8	mg/L	2.5	10/23/24 19:54	
EPA 9056	Fluoride	0.32	mg/L	0.10	10/23/24 19:36	
EPA 9056	Sulfate	72.4	mg/L	2.5	10/23/24 19:54	
EPA 6010	Boron	359	ug/L	100	10/24/24 10:25	
EPA 6010	Calcium	65200	ug/L	1000	10/24/24 10:25	
EPA 6010	Iron	110	ug/L	100	10/24/24 10:25	
EPA 6010	Lithium	79.0	ug/L	20.0	10/24/24 10:25	
EPA 6010	Magnesium	21900	ug/L	1000	10/24/24 10:25	
EPA 6010	Manganese	250	ug/L	10.0	10/24/24 10:25	
EPA 6010	Molybdenum	91.2	ug/L	10.0	10/24/24 10:25	
EPA 6010	Potassium	7720	ug/L	1000	10/24/24 10:25	
EPA 6010	Sodium	74800	ug/L	1000	10/24/24 10:25	
EPA 6010	Molybdenum, Dissolved	99.0	ug/L	10.0	10/17/24 17:49	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50385103002	**MW-1I**					
EPA 6020	Barium	51.0	ug/L	1.0	10/23/24 02:10	
EPA 903.1	Radium-226	0.372 ± 0.786 (1.40) C:NA T:89%	pCi/L		10/28/24 14:43	
EPA 904.0	Radium-228	0.338 ± 0.320 (0.654) C:82% T:87%	pCi/L		10/24/24 12:23	
Total Radium Calculation	Total Radium	0.710 ± 1.11 (2.05)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	219	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	219	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	480	mg/L	10.0	10/18/24 10:20	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/21/24 12:09	H3
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	10/23/24 05:16	
50385103003	**MW-1D**					
EPA 9056	Chloride	99.3	mg/L	2.5	10/23/24 20:30	
EPA 9056	Fluoride	0.38	mg/L	0.10	10/23/24 20:12	
EPA 9056	Sulfate	77.7	mg/L	2.5	10/23/24 20:30	
EPA 6010	Boron	281	ug/L	100	10/24/24 10:27	
EPA 6010	Calcium	75000	ug/L	1000	10/24/24 10:27	
EPA 6010	Iron	898	ug/L	100	10/24/24 10:27	
EPA 6010	Lithium	88.7	ug/L	20.0	10/24/24 10:27	
EPA 6010	Magnesium	24500	ug/L	1000	10/24/24 10:27	
EPA 6010	Manganese	397	ug/L	10.0	10/24/24 10:27	
EPA 6010	Molybdenum	85.3	ug/L	10.0	10/24/24 10:27	
EPA 6010	Potassium	7950	ug/L	1000	10/24/24 10:27	
EPA 6010	Sodium	65400	ug/L	1000	10/24/24 10:27	
EPA 6010	Molybdenum, Dissolved	89.1	ug/L	10.0	10/17/24 17:51	
EPA 6020	Arsenic	2.1	ug/L	1.0	10/23/24 02:14	
EPA 6020	Barium	60.1	ug/L	1.0	10/23/24 02:14	
EPA 903.1	Radium-226	1.17 ± 0.818 (1.18) C:NA T:91%	pCi/L		10/28/24 14:43	
EPA 904.0	Radium-228	0.757 ± 0.370 (0.635) C:81% T:90%	pCi/L		10/24/24 12:23	
Total Radium Calculation	Total Radium	1.93 ± 1.19 (1.82)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	215	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	215	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	497	mg/L	10.0	10/18/24 10:20	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/21/24 12:06	H3
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	10/23/24 05:27	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50385103004	**MW-7S**					
EPA 9056	Chloride	184	mg/L	2.5	10/23/24 21:43	
EPA 9056	Sulfate	530	mg/L	25.0	10/23/24 22:02	
EPA 6010	Boron	2070	ug/L	100	10/24/24 10:29	
EPA 6010	Calcium	266000	ug/L	2000	10/24/24 12:36	
EPA 6010	Lithium	67.7	ug/L	20.0	10/24/24 10:29	
EPA 6010	Magnesium	58500	ug/L	1000	10/24/24 10:29	
EPA 6010	Manganese	234	ug/L	10.0	10/24/24 10:29	
EPA 6010	Molybdenum	21.9	ug/L	10.0	10/24/24 10:29	
EPA 6010	Potassium	12000	ug/L	1000	10/24/24 10:29	
EPA 6010	Sodium	84800	ug/L	1000	10/24/24 10:29	
EPA 6010	Molybdenum, Dissolved	23.8	ug/L	10.0	10/17/24 17:54	
EPA 6020	Antimony	2.8	ug/L	1.0	10/23/24 02:18	
EPA 6020	Barium	38.0	ug/L	1.0	10/23/24 02:18	
EPA 6020	Selenium	20.3	ug/L	1.0	10/23/24 02:18	
EPA 903.1	Radium-226	0.483 ± 0.779 (1.34) C:NA T:84%	pCi/L		10/28/24 14:43	
EPA 904.0	Radium-228	0.381 ± 0.402 (0.842) C:85% T:85%	pCi/L		10/24/24 12:23	
Total Radium Calculation	Total Radium	0.864 ± 1.18 (2.18)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	293	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	293	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	1390	mg/L	20.0	10/18/24 10:21	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	10/21/24 12:11	H3
EPA 353.2	Nitrogen, Nitrate	3.7	mg/L	0.10	10/16/24 00:13	
SM 5310C	Dissolved Organic Carbon	2.4	mg/L	1.0	10/23/24 05:38	
50385103005	**MW-11I**					
EPA 9056	Chloride	108	mg/L	2.5	10/23/24 22:38	
EPA 9056	Fluoride	0.42	mg/L	0.10	10/23/24 22:20	
EPA 9056	Sulfate	92.9	mg/L	2.5	10/23/24 22:38	
EPA 6010	Boron	601	ug/L	100	10/24/24 10:31	
EPA 6010	Calcium	75800	ug/L	1000	10/24/24 10:31	
EPA 6010	Iron	194	ug/L	100	10/24/24 10:31	
EPA 6010	Lithium	102	ug/L	20.0	10/24/24 10:31	
EPA 6010	Magnesium	24400	ug/L	1000	10/24/24 10:31	
EPA 6010	Manganese	272	ug/L	10.0	10/24/24 10:31	
EPA 6010	Molybdenum	116	ug/L	10.0	10/24/24 10:31	
EPA 6010	Potassium	8940	ug/L	1000	10/24/24 10:31	
EPA 6010	Sodium	79100	ug/L	1000	10/24/24 10:31	
EPA 6010	Molybdenum, Dissolved	122	ug/L	10.0	10/17/24 17:56	
EPA 6020	Arsenic	1.2	ug/L	1.0	10/23/24 02:38	
EPA 6020	Barium	58.4	ug/L	1.0	10/23/24 02:38	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50385103005	**MW-11I**					
EPA 903.1	Radium-226	0.195 ± 0.943 (1.71) C:NA T:96%	pCi/L		10/28/24 14:43	
EPA 904.0	Radium-228	0.226 ± 0.382 (0.833) C:80% T:88%	pCi/L		10/24/24 12:23	
Total Radium Calculation	Total Radium	0.421 ± 1.33 (2.54)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	230	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	230	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	558	mg/L	10.0	10/18/24 10:21	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/21/24 12:08	H3
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	10/23/24 05:50	
50385103006	**MW-11S**					
EPA 9056	Chloride	92.2	mg/L	2.5	10/23/24 23:33	
EPA 9056	Fluoride	0.14	mg/L	0.10	10/23/24 23:14	
EPA 9056	Sulfate	132	mg/L	2.5	10/23/24 23:33	
EPA 6010	Boron	1530	ug/L	100	10/24/24 10:34	
EPA 6010	Calcium	139000	ug/L	1000	10/24/24 10:34	
EPA 6010	Iron	138	ug/L	100	10/24/24 10:34	
EPA 6010	Lithium	93.0	ug/L	20.0	10/24/24 10:34	
EPA 6010	Magnesium	35500	ug/L	1000	10/24/24 10:34	
EPA 6010	Manganese	16.3	ug/L	10.0	10/24/24 10:34	
EPA 6010	Molybdenum	25.9	ug/L	10.0	10/24/24 10:34	
EPA 6010	Potassium	8640	ug/L	1000	10/24/24 10:34	
EPA 6010	Sodium	73700	ug/L	1000	10/24/24 10:34	
EPA 6010	Molybdenum, Dissolved	25.2	ug/L	10.0	10/17/24 17:58	
EPA 6020	Antimony	1.3	ug/L	1.0	10/23/24 02:42	
EPA 6020	Arsenic	54.4	ug/L	1.0	10/23/24 02:42	
EPA 6020	Barium	134	ug/L	1.0	10/23/24 02:42	
EPA 6020	Selenium	24.4	ug/L	1.0	10/23/24 02:42	
EPA 903.1	Radium-226	0.000 ± 0.704 (1.37) C:NA T:88%	pCi/L		10/28/24 14:43	
EPA 904.0	Radium-228	0.448 ± 0.383 (0.775) C:86% T:87%	pCi/L		10/24/24 12:24	
Total Radium Calculation	Total Radium	0.448 ± 1.09 (2.15)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	403	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	403	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	772	mg/L	20.0	10/18/24 10:22	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	10/21/24 12:12	H3
EPA 353.2	Nitrogen, Nitrate	0.53	mg/L	0.10	10/16/24 00:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50385103006	**MW-11S**					
SM 5310C	Dissolved Organic Carbon	4.7	mg/L	1.0	10/23/24 06:21	
50385103007	**MW-11D**					
EPA 9056	Chloride	95.0	mg/L	2.5	10/24/24 03:11	
EPA 9056	Fluoride	0.31	mg/L	0.10	10/24/24 02:53	
EPA 9056	Sulfate	78.0	mg/L	2.5	10/24/24 03:11	
EPA 6010	Boron	592	ug/L	100	10/24/24 10:36	
EPA 6010	Calcium	76800	ug/L	1000	10/24/24 10:36	
EPA 6010	Iron	1080	ug/L	100	10/24/24 10:36	
EPA 6010	Lithium	87.4	ug/L	20.0	10/24/24 10:36	
EPA 6010	Magnesium	20300	ug/L	1000	10/24/24 10:36	
EPA 6010	Manganese	277	ug/L	10.0	10/24/24 10:36	
EPA 6010	Molybdenum	121	ug/L	10.0	10/24/24 10:36	
EPA 6010	Potassium	7310	ug/L	1000	10/24/24 10:36	
EPA 6010	Sodium	68100	ug/L	1000	10/24/24 10:36	
EPA 6010	Molybdenum, Dissolved	130	ug/L	10.0	10/17/24 18:04	
EPA 6020	Arsenic	4.4	ug/L	1.0	10/23/24 02:22	
EPA 6020	Barium	60.3	ug/L	1.0	10/23/24 02:22	
EPA 903.1	Radium-226	1.01 ± 0.893 (1.40) C:NA T:91%	pCi/L		10/28/24 14:43	
EPA 904.0	Radium-228	0.678 ± 0.447 (0.857) C:81% T:85%	pCi/L		10/24/24 12:24	
Total Radium Calculation	Total Radium	1.69 ± 1.34 (2.26)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	220	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	220	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	461	mg/L	10.0	10/18/24 15:01	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	10/21/24 12:09	H3
SM 5310C	Dissolved Organic Carbon	3.9	mg/L	1.0	10/23/24 06:33	
50385103008	**DUP-4**					
EPA 9056	Chloride	108	mg/L	2.5	10/24/24 05:01	
EPA 9056	Fluoride	0.42	mg/L	0.10	10/24/24 04:42	
EPA 9056	Sulfate	92.7	mg/L	2.5	10/24/24 05:01	
EPA 6010	Boron	585	ug/L	100	10/24/24 10:38	
EPA 6010	Calcium	74800	ug/L	1000	10/24/24 10:38	
EPA 6010	Iron	196	ug/L	100	10/24/24 10:38	
EPA 6010	Lithium	95.7	ug/L	20.0	10/24/24 10:38	
EPA 6010	Magnesium	23900	ug/L	1000	10/24/24 10:38	
EPA 6010	Manganese	267	ug/L	10.0	10/24/24 10:38	
EPA 6010	Molybdenum	115	ug/L	10.0	10/24/24 10:38	
EPA 6010	Potassium	8750	ug/L	1000	10/24/24 10:38	
EPA 6010	Sodium	77100	ug/L	1000	10/24/24 10:38	
EPA 6010	Molybdenum, Dissolved	126	ug/L	10.0	10/17/24 18:07	
EPA 6020	Arsenic	1.1	ug/L	1.0	10/23/24 02:26	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50385103008	**DUP-4**					
EPA 6020	Barium	57.6	ug/L	1.0	10/23/24 02:26	
EPA 903.1	Radium-226	0.680 ± 0.825 (1.37) C:NA T:87%	pCi/L		10/28/24 14:59	
EPA 904.0	Radium-228	0.323 ± 0.336 (0.696) C:80% T:92%	pCi/L		10/24/24 12:24	
Total Radium Calculation	Total Radium	1.00 ± 1.16 (2.07)	pCi/L		10/30/24 09:45	
SM 2320B	Alkalinity, Total as CaCO3	229	mg/L	10.0	10/17/24 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	229	mg/L	10.0	10/17/24 20:30	
SM 2540C	Total Dissolved Solids	539	mg/L	10.0	10/18/24 15:02	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/21/24 12:03	H3
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	10/23/24 06:44	
50385103009	**Field Blank 1**					
EPA 903.1	Radium-226	0.0642 ± 0.454 (0.905) C:NA T:90%	pCi/L		10/28/24 14:59	
EPA 904.0	Radium-228	0.0945 ± 0.286 (0.645) C:82% T:92%	pCi/L		10/24/24 12:24	
Total Radium Calculation	Total Radium	0.159 ± 0.740 (1.55)	pCi/L		10/30/24 09:45	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	10/21/24 12:17	H3
50385103010	**Field Blank 2**					
EPA 903.1	Radium-226	0.202 ± 0.308 (0.183) C:NA T:93%	pCi/L		10/28/24 14:59	
EPA 904.0	Radium-228	0.300 ± 0.310 (0.643) C:83% T:96%	pCi/L		10/24/24 12:24	
Total Radium Calculation	Total Radium	0.502 ± 0.618 (0.826)	pCi/L		10/30/24 09:45	
SM 4500-H+B	pH at 25 Degrees C	6.1	Std. Units	0.10	10/21/24 12:22	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1S **Lab ID: 50385103001** Collected: 10/15/24 11:42 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**113**	mg/L	2.5	1.3	10		10/23/24 19:17	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.016	1		10/23/24 18:59	16984-48-8	
Sulfate	**105**	mg/L	2.5	1.9	10		10/23/24 19:17	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**612**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:22	7440-42-8	
Calcium	**123000**	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:22	7440-70-2	
Iron	**147**	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:22	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:22	7439-92-1	
Lithium	**71.9**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:22	7439-93-2	
Magnesium	**31100**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:22	7439-95-4	
Manganese	**10.0**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:22	7439-96-5	
Molybdenum	**40.4**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:22	7439-98-7	
Potassium	**8110**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:22	7440-09-7	
Sodium	**83000**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:22	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**43.0**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 17:32	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**1.8**	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 01:58	7440-36-0	
Arsenic	**4.4**	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 01:58	7440-38-2	
Barium	**70.1**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 01:58	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 01:58	7440-48-4	
Selenium	**9.5**	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 01:58	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**363**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**363**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**705**	mg/L	10.0	10.0	1		10/18/24 10:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		10/21/24 12:10		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1S **Lab ID: 50385103001** Collected: 10/15/24 11:42 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.83**	mg/L	0.10	0.013	1		10/16/24 00:07	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.4**	mg/L	1.0	0.25	1		10/23/24 04:53		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1I **Lab ID: 50385103002** Collected: 10/15/24 10:36 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**98.8**	mg/L	2.5	1.3	10		10/23/24 19:54	16887-00-6	
Fluoride	**0.32**	mg/L	0.10	0.016	1		10/23/24 19:36	16984-48-8	
Sulfate	**72.4**	mg/L	2.5	1.9	10		10/23/24 19:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**359**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:25	7440-42-8	
Calcium	**65200**	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:25	7440-70-2	
Iron	**110**	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:25	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:25	7439-92-1	
Lithium	**79.0**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:25	7439-93-2	
Magnesium	**21900**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:25	7439-95-4	
Manganese	**250**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:25	7439-96-5	
Molybdenum	**91.2**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:25	7439-98-7	
Potassium	**7720**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:25	7440-09-7	
Sodium	**74800**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:25	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**99.0**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 17:49	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:10	7440-38-2	
Barium	**51.0**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:10	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:10	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:10	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**219**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**219**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**480**	mg/L	10.0	10.0	1		10/18/24 10:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/21/24 12:09		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1I **Lab ID: 50385103002** Collected: 10/15/24 10:36 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/15/24 23:52	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.9**	mg/L	1.0	0.25	1		10/23/24 05:16		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1D **Lab ID: 50385103003** Collected: 10/15/24 09:33 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**99.3**	mg/L	2.5	1.3	10		10/23/24 20:30	16887-00-6	
Fluoride	**0.38**	mg/L	0.10	0.016	1		10/23/24 20:12	16984-48-8	
Sulfate	**77.7**	mg/L	2.5	1.9	10		10/23/24 20:30	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**281**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:27	7440-42-8	
Calcium	**75000**	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:27	7440-70-2	
Iron	**898**	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:27	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:27	7439-92-1	
Lithium	**88.7**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:27	7439-93-2	
Magnesium	**24500**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:27	7439-95-4	
Manganese	**397**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:27	7439-96-5	
Molybdenum	**85.3**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:27	7439-98-7	
Potassium	**7950**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:27	7440-09-7	
Sodium	**65400**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:27	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**89.1**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 17:51	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:14	7440-36-0	
Arsenic	**2.1**	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:14	7440-38-2	
Barium	**60.1**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:14	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:14	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:14	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**215**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**215**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**497**	mg/L	10.0	10.0	1		10/18/24 10:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/21/24 12:06		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1D **Lab ID: 50385103003** Collected: 10/15/24 09:33 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/15/24 23:47	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.25	1		10/23/24 05:27		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-7S **Lab ID: 50385103004** Collected: 10/15/24 13:33 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**184**	mg/L	2.5	1.3	10		10/23/24 21:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/23/24 21:25	16984-48-8	
Sulfate	**530**	mg/L	25.0	19.0	100		10/23/24 22:02	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2070**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:29	7440-42-8	
Calcium	**266000**	ug/L	2000	168	2	10/22/24 21:12	10/24/24 12:36	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:29	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:29	7439-92-1	
Lithium	**67.7**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:29	7439-93-2	
Magnesium	**58500**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:29	7439-95-4	
Manganese	**234**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:29	7439-96-5	
Molybdenum	**21.9**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:29	7439-98-7	
Potassium	**12000**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:29	7440-09-7	
Sodium	**84800**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:29	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**23.8**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 17:54	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**2.8**	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:18	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:18	7440-38-2	
Barium	**38.0**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:18	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:18	7440-48-4	
Selenium	**20.3**	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:18	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**293**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**293**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1390**	mg/L	20.0	20.0	1		10/18/24 10:21		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.1**	Std. Units	0.10	0.10	1		10/21/24 12:11		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-7S **Lab ID: 50385103004** Collected: 10/15/24 13:33 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.7**	mg/L	0.10	0.013	1		10/16/24 00:13	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.4**	mg/L	1.0	0.25	1		10/23/24 05:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11I **Lab ID: 50385103005** Collected: 10/15/24 09:45 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**108**	mg/L	2.5	1.3	10		10/23/24 22:38	16887-00-6	
Fluoride	**0.42**	mg/L	0.10	0.016	1		10/23/24 22:20	16984-48-8	
Sulfate	**92.9**	mg/L	2.5	1.9	10		10/23/24 22:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**601**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:31	7440-42-8	
Calcium	**75800**	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:31	7440-70-2	
Iron	**194**	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:31	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:31	7439-92-1	
Lithium	**102**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:31	7439-93-2	
Magnesium	**24400**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:31	7439-95-4	
Manganese	**272**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:31	7439-96-5	
Molybdenum	**116**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:31	7439-98-7	
Potassium	**8940**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:31	7440-09-7	
Sodium	**79100**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:31	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**122**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 17:56	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:38	7440-36-0	
Arsenic	**1.2**	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:38	7440-38-2	
Barium	**58.4**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:38	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:38	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:38	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**230**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**230**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**558**	mg/L	10.0	10.0	1		10/18/24 10:21		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/21/24 12:08		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11I **Lab ID: 50385103005** Collected: 10/15/24 09:45 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/15/24 23:48	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		10/23/24 05:50		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11S **Lab ID: 50385103006** Collected: 10/15/24 14:00 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**92.2**	mg/L	2.5	1.3	10		10/23/24 23:33	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.016	1		10/23/24 23:14	16984-48-8	
Sulfate	**132**	mg/L	2.5	1.9	10		10/23/24 23:33	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**1530**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:34	7440-42-8	
Calcium	**139000**	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:34	7440-70-2	
Iron	**138**	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:34	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:34	7439-92-1	
Lithium	**93.0**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:34	7439-93-2	
Magnesium	**35500**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:34	7439-95-4	
Manganese	**16.3**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:34	7439-96-5	
Molybdenum	**25.9**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:34	7439-98-7	
Potassium	**8640**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:34	7440-09-7	
Sodium	**73700**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**25.2**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 17:58	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	**1.3**	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:42	7440-36-0	
Arsenic	**54.4**	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:42	7440-38-2	
Barium	**134**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:42	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:42	7440-48-4	
Selenium	**24.4**	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:42	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**403**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**403**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**772**	mg/L	20.0	20.0	1		10/18/24 10:22		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		10/21/24 12:12		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11S **Lab ID: 50385103006** Collected: 10/15/24 14:00 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.53**	mg/L	0.10	0.013	1		10/16/24 00:14	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.7**	mg/L	1.0	0.25	1		10/23/24 06:21		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11D **Lab ID: 50385103007** Collected: 10/15/24 11:30 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**95.0**	mg/L	2.5	1.3	10		10/24/24 03:11	16887-00-6	
Fluoride	**0.31**	mg/L	0.10	0.016	1		10/24/24 02:53	16984-48-8	
Sulfate	**78.0**	mg/L	2.5	1.9	10		10/24/24 03:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**592**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:36	7440-42-8	
Calcium	**76800**	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:36	7440-70-2	
Iron	**1080**	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:36	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:36	7439-92-1	
Lithium	**87.4**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:36	7439-93-2	
Magnesium	**20300**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:36	7439-95-4	
Manganese	**277**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:36	7439-96-5	
Molybdenum	**121**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:36	7439-98-7	
Potassium	**7310**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:36	7440-09-7	
Sodium	**68100**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**130**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 18:04	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:22	7440-36-0	
Arsenic	**4.4**	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:22	7440-38-2	
Barium	**60.3**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:22	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:22	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**220**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**220**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**461**	mg/L	10.0	10.0	1		10/18/24 15:01		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		10/21/24 12:09		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11D **Lab ID: 50385103007** Collected: 10/15/24 11:30 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/16/24 00:05	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.9**	mg/L	1.0	0.25	1		10/23/24 06:33		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: DUP-4 **Lab ID: 50385103008** Collected: 10/15/24 08:00 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**108**	mg/L	2.5	1.3	10		10/24/24 05:01	16887-00-6	
Fluoride	**0.42**	mg/L	0.10	0.016	1		10/24/24 04:42	16984-48-8	
Sulfate	**92.7**	mg/L	2.5	1.9	10		10/24/24 05:01	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	**585**	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:38	7440-42-8	
Calcium	**74800**	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:38	7440-70-2	
Iron	**196**	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:38	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:38	7439-92-1	
Lithium	**95.7**	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:38	7439-93-2	
Magnesium	**23900**	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:38	7439-95-4	
Manganese	**267**	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:38	7439-96-5	
Molybdenum	**115**	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:38	7439-98-7	
Potassium	**8750**	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:38	7440-09-7	
Sodium	**77100**	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:38	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**126**	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 18:07	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:26	7440-36-0	
Arsenic	**1.1**	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:26	7440-38-2	
Barium	**57.6**	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:26	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:26	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:26	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**229**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	**229**	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**539**	mg/L	10.0	10.0	1		10/18/24 15:02		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/21/24 12:03		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: DUP-4 **Lab ID: 50385103008** Collected: 10/15/24 08:00 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/15/24 23:43	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		10/23/24 06:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: Field Blank 1 **Lab ID: 50385103009** Collected: 10/15/24 15:15 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		10/24/24 00:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/24/24 00:09	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		10/24/24 00:09	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:45	7440-42-8	
Calcium	ND	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:45	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:45	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:45	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:45	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:45	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:45	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:45	7439-98-7	
Potassium	ND	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:45	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:45	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 18:09	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:46	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:46	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:46	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:46	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:46	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		10/18/24 15:02		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		10/21/24 12:17		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: Field Blank 1 **Lab ID: 50385103009** Collected: 10/15/24 15:15 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/16/24 00:22	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/23/24 06:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: Field Blank 2 **Lab ID: 50385103010** Collected: 10/15/24 15:30 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		10/24/24 03:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		10/24/24 03:48	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		10/24/24 03:48	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	10/22/24 21:12	10/24/24 10:47	7440-42-8	
Calcium	ND	ug/L	1000	83.9	1	10/22/24 21:12	10/24/24 10:47	7440-70-2	
Iron	ND	ug/L	100	41.0	1	10/22/24 21:12	10/24/24 10:47	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/22/24 21:12	10/24/24 10:47	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	10/22/24 21:12	10/24/24 10:47	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	10/22/24 21:12	10/24/24 10:47	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	10/22/24 21:12	10/24/24 10:47	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	10/22/24 21:12	10/24/24 10:47	7439-98-7	
Potassium	ND	ug/L	1000	113	1	10/22/24 21:12	10/24/24 10:47	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	10/22/24 21:12	10/24/24 10:47	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	10/16/24 19:00	10/17/24 18:11	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/21/24 23:45	10/23/24 02:50	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	10/21/24 23:45	10/23/24 02:50	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	10/21/24 23:45	10/23/24 02:50	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/21/24 23:45	10/23/24 02:50	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/21/24 23:45	10/23/24 02:50	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/17/24 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		10/18/24 15:02		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.1**	Std. Units	0.10	0.10	1		10/21/24 12:22		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: Field Blank 2 **Lab ID: 50385103010** Collected: 10/15/24 15:30 Received: 10/15/24 17:18 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/16/24 00:24	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/23/24 07:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814851
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3727170 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/23/24 18:23	
Fluoride	mg/L	ND	0.10	0.016	10/23/24 18:23	
Sulfate	mg/L	ND	0.25	0.19	10/23/24 18:23	

LABORATORY CONTROL SAMPLE: 3727171

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	98	80-120	
Fluoride	mg/L	1	1.0	101	80-120	
Sulfate	mg/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727172 3727173

Parameter	Units	50385103005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	108	25	25	128	128	77	78	80-120	0	15	M0
Fluoride	mg/L	0.42	1	1	1.4	1.4	93	94	80-120	0	15	
Sulfate	mg/L	92.9	50	50	134	134	81	82	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814638
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3726643 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/24/24 10:20	
Calcium	ug/L	ND	1000	83.9	10/24/24 10:20	
Iron	ug/L	ND	100	41.0	10/24/24 10:20	
Lead	ug/L	ND	10.0	2.0	10/24/24 10:20	
Lithium	ug/L	ND	20.0	3.8	10/24/24 10:20	
Magnesium	ug/L	ND	1000	53.7	10/24/24 10:20	
Manganese	ug/L	ND	10.0	0.77	10/24/24 10:20	
Molybdenum	ug/L	ND	10.0	1.4	10/24/24 10:20	
Potassium	ug/L	ND	1000	113	10/24/24 10:20	
Sodium	ug/L	ND	1000	95.0	10/24/24 10:20	

LABORATORY CONTROL SAMPLE: 3726644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	952	95	80-120	
Calcium	ug/L	10000	9810	98	80-120	
Iron	ug/L	10000	9720	97	80-120	
Lead	ug/L	1000	957	96	80-120	
Lithium	ug/L	1000	1060	106	80-120	
Magnesium	ug/L	10000	9820	98	80-120	
Manganese	ug/L	1000	1010	101	80-120	
Molybdenum	ug/L	1000	997	100	80-120	
Potassium	ug/L	10000	9970	100	80-120	
Sodium	ug/L	10000	9910	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726645 3726646

Parameter	Units	50385466002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	154	1000	1000	1100	1110	95	96	75-125	1	20	
Calcium	ug/L	168000	10000	10000	171000	166000	30	-21	75-125	3	20	P6
Iron	ug/L	27000	10000	10000	35300	33800	83	68	75-125	5	20	M0
Lead	ug/L	22.2	1000	1000	929	916	91	89	75-125	1	20	
Lithium	ug/L	ND	1000	1000	1060	1050	105	104	75-125	1	20	
Magnesium	ug/L	44000	10000	10000	51200	50200	72	63	75-125	2	20	P6
Manganese	ug/L	275	1000	1000	1250	1220	98	94	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726645 3726646

Parameter	Units	50385466002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	ug/L	10.6	1000	1000	1020	980	101	97	75-125	4	20	
Potassium	ug/L	4880	10000	10000	15100	14400	103	96	75-125	5	20	
Sodium	ug/L	40300	10000	10000	48500	47400	82	71	75-125	2	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814076
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3723919 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/17/24 17:12	

LABORATORY CONTROL SAMPLE: 3723920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1030	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723921 3723922

Parameter	Units	50385103001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	43.0	1000	1000	1030	1020	99	97	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814613
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3726571 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/23/24 01:50	
Arsenic	ug/L	ND	1.0	0.080	10/23/24 01:50	
Barium	ug/L	ND	1.0	0.11	10/23/24 01:50	
Cobalt	ug/L	ND	1.0	0.045	10/23/24 01:50	
Selenium	ug/L	ND	1.0	0.26	10/23/24 01:50	

LABORATORY CONTROL SAMPLE: 3726572

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.9	102	80-120	
Arsenic	ug/L	40	40.0	100	80-120	
Barium	ug/L	40	37.7	94	80-120	
Cobalt	ug/L	40	40.6	102	80-120	
Selenium	ug/L	40	40.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726573 3726574

Parameter	Units	50385285002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<1.0	40	40	42.0	42.2	105	105	75-125	1	20	
Arsenic	ug/L	<1.0	40	40	40.4	40.7	100	100	75-125	1	20	
Barium	ug/L	13.5	40	40	51.5	50.7	95	93	75-125	2	20	
Cobalt	ug/L	<1.0	40	40	39.6	39.9	99	100	75-125	1	20	
Selenium	ug/L	<1.0	40	40	40.0	39.1	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814337
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3725109 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/17/24 20:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/17/24 20:30	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/17/24 20:30	

LABORATORY CONTROL SAMPLE: 3725110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.2	94	90-110	

SAMPLE DUPLICATE: 3725111

Parameter	Units	50385106001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	178	179	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	160	161	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	17.2	17.2	0	20	

SAMPLE DUPLICATE: 3725112

Parameter	Units	50385159001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	186	188	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	166	166	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	20.8	21.6	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814405 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006

METHOD BLANK: 3725327 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/18/24 10:10	

LABORATORY CONTROL SAMPLE: 3725328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	80-120	

SAMPLE DUPLICATE: 3725329

Parameter	Units	50385167006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	277	281	1	10	

SAMPLE DUPLICATE: 3725330

Parameter	Units	50385167007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	394	395	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814406 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3725331 Matrix: Water
Associated Lab Samples: 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/18/24 15:01	

LABORATORY CONTROL SAMPLE: 3725332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 3725333

Parameter	Units	50385103007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	461	499	8	10	

SAMPLE DUPLICATE: 3725334

Parameter	Units	50385103008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	539	547	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814707
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

SAMPLE DUPLICATE: 3726813

Parameter	Units	50385103008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.7	0	2	H3

SAMPLE DUPLICATE: 3726814

Parameter	Units	50385250003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.5	8.6	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 813902 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3723251 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/15/24 23:35	

LABORATORY CONTROL SAMPLE: 3723252

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723253 3723254

Parameter	Units	50385103002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.0	105	104	90-110	1	20	

MATRIX SPIKE SAMPLE: 3723255

Parameter	Units	50385103006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.53	1	1.6	108	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 814957
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3727549 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/23/24 02:44	

LABORATORY CONTROL SAMPLE: 3727550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727551 3727552

Parameter	Units	50384959002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.9	10	10	11.2	11.0	92	90	80-120	2	15	

MATRIX SPIKE SAMPLE: 3727553

Parameter	Units	50385103001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	3.4	10	11.8	84	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1S **Lab ID: 50385103001** Collected: 10/15/24 11:42 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.0707 ± 0.772 (1.51) C:NA T:84%**	pCi/L	10/28/24 14:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.121 ± 0.263 (0.584) C:84% T:87%**	pCi/L	10/24/24 12:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.121 ± 1.04 (2.09)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1I **Lab ID: 50385103002** Collected: 10/15/24 10:36 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.372 ± 0.786 (1.40) C:NA T:89%**	pCi/L	10/28/24 14:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.338 ± 0.320 (0.654) C:82% T:87%**	pCi/L	10/24/24 12:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.710 ± 1.11 (2.05)**	pCi/L	10/30/24 09:45	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-1D **Lab ID: 50385103003** Collected: 10/15/24 09:33 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.17 ± 0.818 (1.18) C:NA T:91%**	pCi/L	10/28/24 14:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.757 ± 0.370 (0.635) C:81% T:90%**	pCi/L	10/24/24 12:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.93 ± 1.19 (1.82)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-7S **Lab ID: 50385103004** Collected: 10/15/24 13:33 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.483 ± 0.779 (1.34) C:NA T:84%**	pCi/L	10/28/24 14:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.381 ± 0.402 (0.842) C:85% T:85%**	pCi/L	10/24/24 12:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.864 ± 1.18 (2.18)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11I **Lab ID: 50385103005** Collected: 10/15/24 09:45 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.195 ± 0.943 (1.71) C:NA T:96%**	pCi/L	10/28/24 14:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.226 ± 0.382 (0.833) C:80% T:88%**	pCi/L	10/24/24 12:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.421 ± 1.33 (2.54)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11S **Lab ID: 50385103006** Collected: 10/15/24 14:00 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.704 (1.37) C:NA T:88%**	pCi/L	10/28/24 14:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.448 ± 0.383 (0.775) C:86% T:87%**	pCi/L	10/24/24 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.448 ± 1.09 (2.15)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: MW-11D **Lab ID: 50385103007** Collected: 10/15/24 11:30 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.01 ± 0.893 (1.40) C:NA T:91%**	pCi/L	10/28/24 14:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.678 ± 0.447 (0.857) C:81% T:85%**	pCi/L	10/24/24 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.69 ± 1.34 (2.26)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: DUP-4 **Lab ID: 50385103008** Collected: 10/15/24 08:00 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.680 ± 0.825 (1.37) C:NA T:87%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.323 ± 0.336 (0.696) C:80% T:92%**	pCi/L	10/24/24 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.00 ± 1.16 (2.07)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: Field Blank 1 **Lab ID: 50385103009** Collected: 10/15/24 15:15 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0642 ± 0.454 (0.905) C:NA T:90%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.0945 ± 0.286 (0.645) C:82% T:92%**	pCi/L	10/24/24 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.159 ± 0.740 (1.55)**	pCi/L	10/30/24 09:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Sample: Field Blank 2 **Lab ID: 50385103010** Collected: 10/15/24 15:30 Received: 10/15/24 17:18 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.202 ± 0.308 (0.183) C:NA T:93%**	pCi/L	10/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.300 ± 0.310 (0.643) C:83% T:96%**	pCi/L	10/24/24 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.502 ± 0.618 (0.826)**	pCi/L	10/30/24 09:45	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 703874 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3427677 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.161 ± 0.259 (0.561) C:80% T:93%	pCi/L	10/24/24 12:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

QC Batch: 703869 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

METHOD BLANK: 3427668 Matrix: Water
Associated Lab Samples: 50385103001, 50385103002, 50385103003, 50385103004, 50385103005, 50385103006, 50385103007, 50385103008, 50385103009, 50385103010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.215 ± 0.367 (0.647) C:NA T:94%	pCi/L	10/28/24 14:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50385103001	**MW-1S**	EPA 9056	814851		
50385103002	**MW-1I**	EPA 9056	814851		
50385103003	**MW-1D**	EPA 9056	814851		
50385103004	**MW-7S**	EPA 9056	814851		
50385103005	**MW-11I**	EPA 9056	814851		
50385103006	**MW-11S**	EPA 9056	814851		
50385103007	**MW-11D**	EPA 9056	814851		
50385103008	**DUP-4**	EPA 9056	814851		
50385103009	**Field Blank 1**	EPA 9056	814851		
50385103010	**Field Blank 2**	EPA 9056	814851		
50385103001	**MW-1S**	EPA 3010	814638	EPA 6010	815342
50385103002	**MW-1I**	EPA 3010	814638	EPA 6010	815342
50385103003	**MW-1D**	EPA 3010	814638	EPA 6010	815342
50385103004	**MW-7S**	EPA 3010	814638	EPA 6010	815342
50385103005	**MW-11I**	EPA 3010	814638	EPA 6010	815342
50385103006	**MW-11S**	EPA 3010	814638	EPA 6010	815342
50385103007	**MW-11D**	EPA 3010	814638	EPA 6010	815342
50385103008	**DUP-4**	EPA 3010	814638	EPA 6010	815342
50385103009	**Field Blank 1**	EPA 3010	814638	EPA 6010	815342
50385103010	**Field Blank 2**	EPA 3010	814638	EPA 6010	815342
50385103001	**MW-1S**	EPA 3010	814076	EPA 6010	814326
50385103002	**MW-1I**	EPA 3010	814076	EPA 6010	814326
50385103003	**MW-1D**	EPA 3010	814076	EPA 6010	814326
50385103004	**MW-7S**	EPA 3010	814076	EPA 6010	814326
50385103005	**MW-11I**	EPA 3010	814076	EPA 6010	814326
50385103006	**MW-11S**	EPA 3010	814076	EPA 6010	814326
50385103007	**MW-11D**	EPA 3010	814076	EPA 6010	814326
50385103008	**DUP-4**	EPA 3010	814076	EPA 6010	814326
50385103009	**Field Blank 1**	EPA 3010	814076	EPA 6010	814326
50385103010	**Field Blank 2**	EPA 3010	814076	EPA 6010	814326
50385103001	**MW-1S**	EPA 200.2	814613	EPA 6020	815043
50385103002	**MW-1I**	EPA 200.2	814613	EPA 6020	815043
50385103003	**MW-1D**	EPA 200.2	814613	EPA 6020	815043
50385103004	**MW-7S**	EPA 200.2	814613	EPA 6020	815043
50385103005	**MW-11I**	EPA 200.2	814613	EPA 6020	815043
50385103006	**MW-11S**	EPA 200.2	814613	EPA 6020	815043
50385103007	**MW-11D**	EPA 200.2	814613	EPA 6020	815043
50385103008	**DUP-4**	EPA 200.2	814613	EPA 6020	815043
50385103009	**Field Blank 1**	EPA 200.2	814613	EPA 6020	815043
50385103010	**Field Blank 2**	EPA 200.2	814613	EPA 6020	815043
50385103001	**MW-1S**	EPA 903.1	703869		
50385103002	**MW-1I**	EPA 903.1	703869		
50385103003	**MW-1D**	EPA 903.1	703869		
50385103004	**MW-7S**	EPA 903.1	703869		
50385103005	**MW-11I**	EPA 903.1	703869		
50385103006	**MW-11S**	EPA 903.1	703869		
50385103007	**MW-11D**	EPA 903.1	703869		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50385103008	**DUP-4**	EPA 903.1	703869		
50385103009	**Field Blank 1**	EPA 903.1	703869		
50385103010	**Field Blank 2**	EPA 903.1	703869		
50385103001	**MW-1S**	EPA 904.0	703874		
50385103002	**MW-1I**	EPA 904.0	703874		
50385103003	**MW-1D**	EPA 904.0	703874		
50385103004	**MW-7S**	EPA 904.0	703874		
50385103005	**MW-11I**	EPA 904.0	703874		
50385103006	**MW-11S**	EPA 904.0	703874		
50385103007	**MW-11D**	EPA 904.0	703874		
50385103008	**DUP-4**	EPA 904.0	703874		
50385103009	**Field Blank 1**	EPA 904.0	703874		
50385103010	**Field Blank 2**	EPA 904.0	703874		
50385103001	**MW-1S**	Total Radium Calculation	706219		
50385103002	**MW-1I**	Total Radium Calculation	706219		
50385103003	**MW-1D**	Total Radium Calculation	706219		
50385103004	**MW-7S**	Total Radium Calculation	706219		
50385103005	**MW-11I**	Total Radium Calculation	706219		
50385103006	**MW-11S**	Total Radium Calculation	706219		
50385103007	**MW-11D**	Total Radium Calculation	706219		
50385103008	**DUP-4**	Total Radium Calculation	706219		
50385103009	**Field Blank 1**	Total Radium Calculation	706219		
50385103010	**Field Blank 2**	Total Radium Calculation	706219		
50385103001	**MW-1S**	SM 2320B	814337		
50385103002	**MW-1I**	SM 2320B	814337		
50385103003	**MW-1D**	SM 2320B	814337		
50385103004	**MW-7S**	SM 2320B	814337		
50385103005	**MW-11I**	SM 2320B	814337		
50385103006	**MW-11S**	SM 2320B	814337		
50385103007	**MW-11D**	SM 2320B	814337		
50385103008	**DUP-4**	SM 2320B	814337		
50385103009	**Field Blank 1**	SM 2320B	814337		
50385103010	**Field Blank 2**	SM 2320B	814337		
50385103001	**MW-1S**	SM 2540C	814405		
50385103002	**MW-1I**	SM 2540C	814405		
50385103003	**MW-1D**	SM 2540C	814405		
50385103004	**MW-7S**	SM 2540C	814405		
50385103005	**MW-11I**	SM 2540C	814405		
50385103006	**MW-11S**	SM 2540C	814405		
50385103007	**MW-11D**	SM 2540C	814406		
50385103008	**DUP-4**	SM 2540C	814406		
50385103009	**Field Blank 1**	SM 2540C	814406		
50385103010	**Field Blank 2**	SM 2540C	814406		
50385103001	**MW-1S**	SM 4500-H+B	814707		
50385103002	**MW-1I**	SM 4500-H+B	814707		
50385103003	**MW-1D**	SM 4500-H+B	814707		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R1
Pace Project No.: 50385103

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50385103004	**MW-7S**	SM 4500-H+B	814707		
50385103005	**MW-11I**	SM 4500-H+B	814707		
50385103006	**MW-11S**	SM 4500-H+B	814707		
50385103007	**MW-11D**	SM 4500-H+B	814707		
50385103008	**DUP-4**	SM 4500-H+B	814707		
50385103009	**Field Blank 1**	SM 4500-H+B	814707		
50385103010	**Field Blank 2**	SM 4500-H+B	814707		
50385103001	**MW-1S**	EPA 353.2	813902		
50385103002	**MW-1I**	EPA 353.2	813902		
50385103003	**MW-1D**	EPA 353.2	813902		
50385103004	**MW-7S**	EPA 353.2	813902		
50385103005	**MW-11I**	EPA 353.2	813902		
50385103006	**MW-11S**	EPA 353.2	813902		
50385103007	**MW-11D**	EPA 353.2	813902		
50385103008	**DUP-4**	EPA 353.2	813902		
50385103009	**Field Blank 1**	EPA 353.2	813902		
50385103010	**Field Blank 2**	EPA 353.2	813902		
50385103001	**MW-1S**	SM 5310C	814957		
50385103002	**MW-1I**	SM 5310C	814957		
50385103003	**MW-1D**	SM 5310C	814957		
50385103004	**MW-7S**	SM 5310C	814957		
50385103005	**MW-11I**	SM 5310C	814957		
50385103006	**MW-11S**	SM 5310C	814957		
50385103007	**MW-11D**	SM 5310C	814957		
50385103008	**DUP-4**	SM 5310C	814957		
50385103009	**Field Blank 1**	SM 5310C	814957		
50385103010	**Field Blank 2**	SM 5310C	814957		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY. Affix Workorder/Login Label Here

WO# : 50385103

50385103

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:	170AES0001		
Project Name:	Eagle Valley October 2024 PIRI	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Sample Comment
√MW-1S	GW	G	10/15/24	1142			8			001
√MW-1I	GW	G		1036						002
√MW-1D	GW	G		0933						003
√MW-7S	GW	G		1333						004
√MW-11I	GW	G		0945						005
√MW-11S	GW	G		1400						006
√MW-11D	GW	G		1130						007
DUP-4	GW	G		—						008
Field Blank 1	GW	G		1515						009
Field Blank 2	GW	G	↓	1530			↓			010

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested: 2320B Alkalinity; 4500H+ pH | 2540C Total Dissolved Solids | 353.2 Nitrate | 5310C Dissolved Organic Carbon | 6010 MET ICP, Dissolved | 8010 MET ICP; 6020 MET ICPMS | Rad 226/228 + Sum to Pace PA | 9056 Cl, F, SO4

**Container Sizes: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
Proj. Mgr: Will Statz
AcctNum / Client ID:
Table #:
Profile / Template: 10498-62
Prelog / Bottle Ord. ID: EZ 3155242

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Connor Epler / Mykah Barbeau
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	B	0.0	4.9	4.9	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/15/24	Pace	10/15/24 1718	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

4.5

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 10/15/24 1720 BL

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. Cooler Temperature(s): 4.9/4.9 | 3.2/3.2 | 3.0/3.0 | (Initial/Corrected)

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: Fed Ex UPS (Client) Pace Now/Jett Other (Circle One)

4. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 18:30	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	EM ✓	✓
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit	AG3SF	Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1																2	1	2	1	1							1	WT	✓	✓		
2																2	1	2	1	1							1	WT	✓	✓		
3																2	1	2	1	1							1	WT	✓	✓		
4																2	1	2	1	1							1	WT	✓	✓		
5																2	1	2	1	1							1	WT	✓	✓		
6																2	1	2	1	1							1	WT	✓	✓		
7																2	1	2	1	1							1	WT	✓	✓		
8																2	1	2	1	1							1	WT	✓	✓		
9																2	1	2	1	1							1	WT	✓	✓		
10																2	1	2	1	1							1	WT	✓	✓		
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

November 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Dear Mr. Breting:

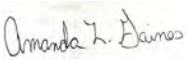
Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines for
Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50383774001	**MW-15S**	Water	10/01/24 13:45	10/01/24 17:20
50383774002	**MW-15D**	Water	10/01/24 15:15	10/01/24 17:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50383774001	**MW-15S**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50383774002	**MW-15D**	EPA 9056	DMP1	3	PASI-I
		EPA 6010	ELK	10	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	CAS	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383774001	**MW-15S**					
EPA 9056	Chloride	22.1	mg/L	2.5	10/08/24 19:11	
EPA 9056	Fluoride	0.30	mg/L	0.10	10/08/24 18:55	
EPA 9056	Sulfate	29.2	mg/L	0.25	10/08/24 18:55	
EPA 6010	Boron	631	ug/L	100	10/08/24 16:38	
EPA 6010	Calcium	102000	ug/L	1000	10/08/24 16:38	
EPA 6010	Iron	1180	ug/L	100	10/08/24 16:38	
EPA 6010	Lithium	49.6	ug/L	20.0	10/08/24 16:38	
EPA 6010	Magnesium	27200	ug/L	1000	10/08/24 16:38	
EPA 6010	Manganese	104	ug/L	10.0	10/08/24 16:38	
EPA 6010	Molybdenum	70.2	ug/L	10.0	10/08/24 16:38	
EPA 6010	Potassium	5010	ug/L	1000	10/08/24 16:38	
EPA 6010	Sodium	13400	ug/L	1000	10/08/24 16:38	
EPA 6010	Molybdenum, Dissolved	72.8	ug/L	10.0	10/09/24 20:42	
EPA 6020	Arsenic	2.5	ug/L	1.0	10/09/24 06:05	
EPA 6020	Barium	68.9	ug/L	1.0	10/09/24 06:05	
EPA 6020	Selenium	3.2	ug/L	1.0	10/09/24 06:05	
EPA 903.1	Radium-226	0.280 ± 0.528 (0.934) C:NA T:91%	pCi/L		10/18/24 13:42	
EPA 904.0	Radium-228	0.600 ± 0.522 (1.06) C:72% T:87%	pCi/L		10/18/24 16:10	
Total Radium Calculation	Total Radium	0.880 ± 1.05 (1.99)	pCi/L		10/23/24 08:48	
SM 2320B	Alkalinity, Total as CaCO3	301	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	301	mg/L	10.0	10/03/24 23:20	
SM 2540C	Total Dissolved Solids	373	mg/L	10.0	10/03/24 14:26	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	10/09/24 17:40	H3
EPA 353.2	Nitrogen, Nitrate	6.1	mg/L	0.50	10/01/24 20:59	
50383774002	**MW-15D**					
EPA 9056	Chloride	103	mg/L	2.5	10/08/24 19:44	
EPA 9056	Fluoride	0.23	mg/L	0.10	10/08/24 19:28	
EPA 9056	Sulfate	126	mg/L	2.5	10/08/24 19:44	
EPA 6010	Boron	3940	ug/L	100	10/08/24 16:40	
EPA 6010	Calcium	80700	ug/L	1000	10/08/24 16:40	
EPA 6010	Iron	190	ug/L	100	10/08/24 16:40	
EPA 6010	Lithium	73.2	ug/L	20.0	10/08/24 16:40	
EPA 6010	Magnesium	16000	ug/L	1000	10/08/24 16:40	
EPA 6010	Manganese	300	ug/L	10.0	10/08/24 16:40	
EPA 6010	Molybdenum	182	ug/L	10.0	10/08/24 16:40	
EPA 6010	Potassium	5720	ug/L	1000	10/08/24 16:40	
EPA 6010	Sodium	86900	ug/L	1000	10/08/24 16:40	
EPA 6010	Molybdenum, Dissolved	187	ug/L	10.0	10/09/24 20:44	
EPA 6020	Arsenic	1.0	ug/L	1.0	10/09/24 06:09	
EPA 6020	Barium	45.8	ug/L	1.0	10/09/24 06:09	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50383774002	**MW-15D**					
EPA 903.1	Radium-226	1.21 ± 0.603 (0.620) C:NA T:89%	pCi/L		10/18/24 13:42	
EPA 904.0	Radium-228	1.38 ± 0.526 (0.794) C:80% T:85%	pCi/L		10/18/24 16:11	
Total Radium Calculation	Total Radium	2.59 ± 1.13 (1.41)	pCi/L		10/23/24 08:48	
SM 2320B	Alkalinity, Total as CaCO3	207	mg/L	10.0	10/03/24 23:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	207	mg/L	10.0	10/03/24 23:20	
SM 2540C	Total Dissolved Solids	564	mg/L	10.0	10/03/24 14:27	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	10/11/24 15:52	H3
SM 5310C	Dissolved Organic Carbon	3.5	mg/L	1.0	10/03/24 22:07	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Sample: MW-15S **Lab ID: 50383774001** Collected: 10/01/24 13:45 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**22.1**	mg/L	2.5	1.3	10		10/08/24 19:11	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.016	1		10/08/24 18:55	16984-48-8	
Sulfate	**29.2**	mg/L	0.25	0.19	1		10/08/24 18:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**631**	ug/L	100	5.6	1	10/06/24 20:23	10/08/24 16:38	7440-42-8	
Calcium	**102000**	ug/L	1000	83.9	1	10/06/24 20:23	10/08/24 16:38	7440-70-2	
Iron	**1180**	ug/L	100	41.0	1	10/06/24 20:23	10/08/24 16:38	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:23	10/08/24 16:38	7439-92-1	
Lithium	**49.6**	ug/L	20.0	3.8	1	10/06/24 20:23	10/08/24 16:38	7439-93-2	
Magnesium	**27200**	ug/L	1000	53.7	1	10/06/24 20:23	10/08/24 16:38	7439-95-4	
Manganese	**104**	ug/L	10.0	0.77	1	10/06/24 20:23	10/08/24 16:38	7439-96-5	
Molybdenum	**70.2**	ug/L	10.0	1.4	1	10/06/24 20:23	10/08/24 16:38	7439-98-7	
Potassium	**5010**	ug/L	1000	113	1	10/06/24 20:23	10/08/24 16:38	7440-09-7	
Sodium	**13400**	ug/L	1000	95.0	1	10/06/24 20:23	10/08/24 16:38	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**72.8**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 20:42	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 06:05	7440-36-0	
Arsenic	**2.5**	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 06:05	7440-38-2	
Barium	**68.9**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 06:05	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 06:05	7440-48-4	
Selenium	**3.2**	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 06:05	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**301**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Bicarbonate (CaCO3)	**301**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/03/24 23:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**373**	mg/L	10.0	10.0	1		10/03/24 14:26		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		10/09/24 17:40		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Sample: MW-15S **Lab ID: 50383774001** Collected: 10/01/24 13:45 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**6.1**	mg/L	0.50	0.065	5		10/01/24 20:59	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		10/03/24 21:47		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Sample: MW-15D **Lab ID: 50383774002** Collected: 10/01/24 15:15 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**103**	mg/L	2.5	1.3	10		10/08/24 19:44	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.016	1		10/08/24 19:28	16984-48-8	
Sulfate	**126**	mg/L	2.5	1.9	10		10/08/24 19:44	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3940**	ug/L	100	5.6	1	10/06/24 20:23	10/08/24 16:40	7440-42-8	
Calcium	**80700**	ug/L	1000	83.9	1	10/06/24 20:23	10/08/24 16:40	7440-70-2	
Iron	**190**	ug/L	100	41.0	1	10/06/24 20:23	10/08/24 16:40	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	10/06/24 20:23	10/08/24 16:40	7439-92-1	
Lithium	**73.2**	ug/L	20.0	3.8	1	10/06/24 20:23	10/08/24 16:40	7439-93-2	
Magnesium	**16000**	ug/L	1000	53.7	1	10/06/24 20:23	10/08/24 16:40	7439-95-4	
Manganese	**300**	ug/L	10.0	0.77	1	10/06/24 20:23	10/08/24 16:40	7439-96-5	
Molybdenum	**182**	ug/L	10.0	1.4	1	10/06/24 20:23	10/08/24 16:40	7439-98-7	
Potassium	**5720**	ug/L	1000	113	1	10/06/24 20:23	10/08/24 16:40	7440-09-7	
Sodium	**86900**	ug/L	1000	95.0	1	10/06/24 20:23	10/08/24 16:40	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**187**	ug/L	10.0	1.4	1	10/07/24 20:20	10/09/24 20:44	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	10/07/24 09:45	10/09/24 06:09	7440-36-0	
Arsenic	**1.0**	ug/L	1.0	0.080	1	10/07/24 09:45	10/09/24 06:09	7440-38-2	
Barium	**45.8**	ug/L	1.0	0.11	1	10/07/24 09:45	10/09/24 06:09	7440-39-3	
Cobalt	ND	ug/L	1.0	0.045	1	10/07/24 09:45	10/09/24 06:09	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	10/07/24 09:45	10/09/24 06:09	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**207**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Bicarbonate (CaCO3)	**207**	mg/L	10.0	10.0	1		10/03/24 23:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		10/03/24 23:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**564**	mg/L	10.0	10.0	1		10/03/24 14:27		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		10/11/24 15:52		H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Sample: MW-15D **Lab ID: 50383774002** Collected: 10/01/24 15:15 Received: 10/01/24 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		10/01/24 21:03	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.5**	mg/L	1.0	0.25	1		10/03/24 22:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 812296
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3715939 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	10/05/24 17:28	
Fluoride	mg/L	ND	0.10	0.016	10/05/24 17:28	
Sulfate	mg/L	ND	0.25	0.19	10/05/24 17:28	

LABORATORY CONTROL SAMPLE: 3715940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.94	94	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715945 3715946

Parameter	Units	50383774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.1	25	25	44.9	44.9	91	91	80-120	0	15	
Fluoride	mg/L	0.30	1	1	1.3	1.3	104	104	80-120	1	15	
Sulfate	mg/L	29.2	5	5	34.2	34.2	100	101	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 811928
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3714178 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	10/08/24 15:59	
Calcium	ug/L	ND	1000	83.9	10/08/24 15:59	
Iron	ug/L	ND	100	41.0	10/08/24 15:59	
Lead	ug/L	ND	10.0	2.0	10/08/24 15:59	
Lithium	ug/L	ND	20.0	3.8	10/08/24 15:59	
Magnesium	ug/L	ND	1000	53.7	10/08/24 15:59	
Manganese	ug/L	ND	10.0	0.77	10/08/24 15:59	
Molybdenum	ug/L	ND	10.0	1.4	10/08/24 15:59	
Potassium	ug/L	ND	1000	113	10/08/24 15:59	
Sodium	ug/L	ND	1000	95.0	10/08/24 15:59	

LABORATORY CONTROL SAMPLE: 3714179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	917	92	80-120	
Calcium	ug/L	10000	9420	94	80-120	
Iron	ug/L	10000	9370	94	80-120	
Lead	ug/L	1000	896	90	80-120	
Lithium	ug/L	1000	919	92	80-120	
Magnesium	ug/L	10000	9480	95	80-120	
Manganese	ug/L	1000	932	93	80-120	
Molybdenum	ug/L	1000	929	93	80-120	
Potassium	ug/L	10000	9140	91	80-120	
Sodium	ug/L	10000	8940	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714180 3714181

Parameter	Units	50383892011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	298	1000	1000	1250	1250	95	95	75-125	0	20	
Calcium	ug/L	105000	10000	10000	114000	113000	90	83	75-125	1	20	
Iron	ug/L	14900	10000	10000	23800	23700	89	87	75-125	1	20	
Lead	ug/L	14.7	1000	1000	869	864	85	85	75-125	1	20	
Lithium	ug/L	25.7	1000	1000	919	918	89	89	75-125	0	20	
Magnesium	ug/L	30800	10000	10000	40000	39900	92	91	75-125	0	20	
Manganese	ug/L	768	1000	1000	1670	1670	90	90	75-125	0	20	
Molybdenum	ug/L	24.6	1000	1000	941	937	92	91	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714180 3714181

Parameter	Units	50383892011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Potassium	ug/L	7760	10000	10000	16800	17200	91	94	75-125	2	20	
Sodium	ug/L	96600	10000	10000	105000	105000	83	85	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 812238
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3715688 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	10/09/24 20:38	

LABORATORY CONTROL SAMPLE: 3715689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	996	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715690 3715691

Parameter	Units	50384010002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	990	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 812225
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3715592 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	10/09/24 05:49	
Arsenic	ug/L	ND	1.0	0.080	10/09/24 05:49	
Barium	ug/L	ND	1.0	0.11	10/09/24 05:49	
Cobalt	ug/L	ND	1.0	0.045	10/09/24 05:49	
Selenium	ug/L	ND	1.0	0.26	10/09/24 05:49	

LABORATORY CONTROL SAMPLE: 3715593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.6	106	80-120	
Arsenic	ug/L	40	39.9	100	80-120	
Barium	ug/L	40	37.8	95	80-120	
Cobalt	ug/L	40	41.3	103	80-120	
Selenium	ug/L	40	40.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3715594 3715595

Parameter	Units	50383911006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	43.1	43.3	107	108	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.8	39.2	97	98	75-125	1	20	
Barium	ug/L	91.0	40	40	127	127	91	91	75-125	0	20	
Cobalt	ug/L	1.0	40	40	39.1	39.1	95	95	75-125	0	20	
Selenium	ug/L	ND	40	40	39.7	39.4	99	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 812113
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3715068 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	10/03/24 23:20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	10/03/24 23:20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	10/03/24 23:20	

LABORATORY CONTROL SAMPLE: 3715069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.7	97	90-110	

SAMPLE DUPLICATE: 3715070

Parameter	Units	50383594001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	326	332	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	326	332	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3715071

Parameter	Units	50383667001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	126	128	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	120	123	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 811975
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3714296 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/03/24 14:20	

LABORATORY CONTROL SAMPLE: 3714297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	80-120	

SAMPLE DUPLICATE: 3714298

Parameter	Units	50383521009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	358	358	0	10	

SAMPLE DUPLICATE: 3714299

Parameter	Units	50383521013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	678	636	6	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 812460
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50383774001

SAMPLE DUPLICATE: 3716755

Parameter	Units	50383484004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	2	H3

SAMPLE DUPLICATE: 3716756

Parameter	Units	50383774001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.6	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 813402
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50383774002

SAMPLE DUPLICATE: 3720831

Parameter	Units	50383907017 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.6	0	2	H3

SAMPLE DUPLICATE: 3720832

Parameter	Units	50383907013 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.0	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 811679
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3713086 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	10/01/24 19:49	

LABORATORY CONTROL SAMPLE: 3713087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3713088 3713089

Parameter	Units	50383699001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.11	1	1	1.1	1.1	104	104	90-110	0	20	

MATRIX SPIKE SAMPLE: 3713090

Parameter	Units	50383774001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	6.1	5	11.2	101	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 812036
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3714561 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	10/03/24 18:41	

LABORATORY CONTROL SAMPLE: 3714562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714563 3714564

Parameter	Units	50383716003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.5	10	10	11.5	11.4	100	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Sample: MW-15S **Lab ID: 50383774001** Collected: 10/01/24 13:45 Received: 10/01/24 17:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.280 ± 0.528 (0.934) C:NA T:91%**	pCi/L	10/18/24 13:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.600 ± 0.522 (1.06) C:72% T:87%**	pCi/L	10/18/24 16:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.880 ± 1.05 (1.99)**	pCi/L	10/23/24 08:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Sample: MW-15D **Lab ID: 50383774002** Collected: 10/01/24 15:15 Received: 10/01/24 17:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.21 ± 0.603 (0.620) C:NA T:89%**	pCi/L	10/18/24 13:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.38 ± 0.526 (0.794) C:80% T:85%**	pCi/L	10/18/24 16:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.59 ± 1.13 (1.41)**	pCi/L	10/23/24 08:48	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 701338
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3415811 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.0757 ± 0.306 (0.733) C:84% T:87%	pCi/L	10/18/24 16:09	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

QC Batch: 701337
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50383774001, 50383774002

METHOD BLANK: 3415809 Matrix: Water
Associated Lab Samples: 50383774001, 50383774002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0444 ± 0.203 (0.478) C:NA T:93%	pCi/L	10/18/24 13:29	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley October 2024 P1R2
Pace Project No.: 50385183

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50383774001	**MW-15S**	EPA 9056	812296		
50383774002	**MW-15D**	EPA 9056	812296		
50383774001	**MW-15S**	EPA 3010	811928	EPA 6010	812704
50383774002	**MW-15D**	EPA 3010	811928	EPA 6010	812704
50383774001	**MW-15S**	EPA 3010	812238	EPA 6010	812771
50383774002	**MW-15D**	EPA 3010	812238	EPA 6010	812771
50383774001	**MW-15S**	EPA 200.2	812225	EPA 6020	812579
50383774002	**MW-15D**	EPA 200.2	812225	EPA 6020	812579
50383774001	**MW-15S**	EPA 903.1	701337		
50383774002	**MW-15D**	EPA 903.1	701337		
50383774001	**MW-15S**	EPA 904.0	701338		
50383774002	**MW-15D**	EPA 904.0	701338		
50383774001	**MW-15S**	Total Radium Calculation	704682		
50383774002	**MW-15D**	Total Radium Calculation	704682		
50383774001	**MW-15S**	SM 2320B	812113		
50383774002	**MW-15D**	SM 2320B	812113		
50383774001	**MW-15S**	SM 2540C	811975		
50383774002	**MW-15D**	SM 2540C	811975		
50383774001	**MW-15S**	SM 4500-H+B	812460		
50383774002	**MW-15D**	SM 4500-H+B	813402		
50383774001	**MW-15S**	EPA 353.2	811679		
50383774002	**MW-15D**	EPA 353.2	811679		
50383774001	**MW-15S**	SM 5310C	812036		
50383774002	**MW-15D**	SM 5310C	812036		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@atcgs.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley October 2024 PIR 2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity; 4500H+ pH	2540C Total Dissolved Solids	353.2 Nitrate	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 8020 MET ICPMS	Rad 226/228 + Sum to Pace PA	9056 Cl, F, SO4	Sample Comment
MW-15S	GW	G			10/1/24	1345	8				X	X	X	X	X	X	X	
MW-15D	GW	G			10/1/24	1515	8				X	X	X	X	X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Will Statz

AcctNum / Client ID:

Table #:

Profile / Template: 10498-62

Prelog / Bottle Ord. ID: EZ 3155242

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Nitrate 353.2 has a 48 hour short hold time. Rad 226/228 is a subout to Pace PA
6010 Total - B, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li (10). 6020 Total - Co, As, Se, Sb, Ba (5)
6010 Dissolved - Mo (1)

Collected By: (Printed Name) Mohammed Bazlamit

Signature: Mark Breting (for Mohammed Bazlamit)

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Mark Breting (for Mohammed Bazlamit)	10/1/24			
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
				[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Dear Mr. Breting:

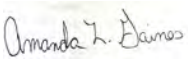
Enclosed are the analytical results for sample(s) received by the laboratory on April 01, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50397563001	**MW-8S**	Water	04/01/25 15:10	04/01/25 17:05
50397563002	**MW-9S**	Water	04/01/25 13:10	04/01/25 17:05
50397563003	**MW-9I**	Water	04/01/25 11:00	04/01/25 17:05
50397563004	**MW-9D**	Water	04/01/25 12:10	04/01/25 17:05
50397563005	**DUP 1**	Water	04/01/25 08:00	04/01/25 17:05

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50397563001	**MW-8S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397563002	**MW-9S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397563003	**MW-9I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397563004	**MW-9D**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397563005	**DUP 1**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397563001	**MW-8S**					
EPA 9056	Chloride	303	mg/L	25.0	04/07/25 13:18	
EPA 9056	Fluoride	0.37	mg/L	0.10	04/07/25 12:43	
EPA 9056	Sulfate	846	mg/L	25.0	04/07/25 13:18	
EPA 6010	Boron	2360	ug/L	100	04/03/25 23:32	
EPA 6010	Calcium	278000	ug/L	2000	04/04/25 00:35	
EPA 6010	Lithium	71.7	ug/L	20.0	04/03/25 23:32	
EPA 6010	Magnesium	68900	ug/L	1000	04/03/25 23:32	
EPA 6010	Manganese	132	ug/L	10.0	04/03/25 23:32	
EPA 6010	Molybdenum	129	ug/L	10.0	04/03/25 23:32	
EPA 6010	Potassium	14000	ug/L	1000	04/03/25 23:32	
EPA 6010	Sodium	224000	ug/L	2000	04/04/25 00:35	
EPA 6010	Molybdenum, Dissolved	131	ug/L	10.0	04/05/25 00:30	
EPA 6020	Arsenic	3.8	ug/L	1.0	04/09/25 00:04	
EPA 6020	Barium	113	ug/L	1.0	04/09/25 00:04	
EPA 6020	Selenium	1.1	ug/L	1.0	04/09/25 00:04	
EPA 903.1	Radium-226	0.259 ± 0.367 (0.621) C:NA T:90%	pCi/L		04/21/25 14:24	
EPA 904.0	Radium-228	0.592 ± 0.473 (0.954) C:74% T:87%	pCi/L		04/21/25 11:36	
Total Radium Calculation	Total Radium	0.851 ± 0.840 (1.58)	pCi/L		04/22/25 13:56	
SM 2320B	Alkalinity, Total as CaCO3	241	mg/L	10.0	04/09/25 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	241	mg/L	10.0	04/09/25 14:32	
SM 2540C	Total Dissolved Solids	1840	mg/L	40.0	04/02/25 08:39	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/07/25 10:11	H3
EPA 353.2	Nitrogen, Nitrate	0.46	mg/L	0.10	04/02/25 15:19	
50397563002	**MW-9S**					
EPA 9056	Chloride	477	mg/L	25.0	04/07/25 14:43	
EPA 9056	Fluoride	0.52	mg/L	0.10	04/07/25 14:09	
EPA 9056	Sulfate	1610	mg/L	25.0	04/07/25 14:43	
EPA 6010	Boron	4870	ug/L	100	04/03/25 23:34	
EPA 6010	Calcium	489000	ug/L	4000	04/04/25 00:37	
EPA 6010	Lithium	155	ug/L	20.0	04/03/25 23:34	
EPA 6010	Magnesium	118000	ug/L	1000	04/03/25 23:34	
EPA 6010	Molybdenum	288	ug/L	10.0	04/03/25 23:34	
EPA 6010	Potassium	24900	ug/L	1000	04/03/25 23:34	
EPA 6010	Sodium	374000	ug/L	4000	04/04/25 00:37	
EPA 6010	Molybdenum, Dissolved	287	ug/L	10.0	04/05/25 00:32	
EPA 6020	Arsenic	14.8	ug/L	1.0	04/09/25 00:08	
EPA 6020	Barium	172	ug/L	1.0	04/09/25 00:08	
EPA 6020	Selenium	5.7	ug/L	1.0	04/09/25 00:08	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397563002	**MW-9S**					
EPA 903.1	Radium-226	-0.160 ± 0.524 (1.07) C:NA T:90%	pCi/L		04/21/25 14:12	
EPA 904.0	Radium-228	0.847 ± 0.440 (0.768) C:68% T:86%	pCi/L		04/21/25 11:36	
Total Radium Calculation	Total Radium	0.847 ± 0.964 (1.84)	pCi/L		04/22/25 13:56	
SM 2320B	Alkalinity, Total as CaCO3	218	mg/L	10.0	04/09/25 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	218	mg/L	10.0	04/09/25 14:32	
SM 2540C	Total Dissolved Solids	3410	mg/L	40.0	04/02/25 08:39	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/07/25 10:14	H3
EPA 353.2	Nitrogen, Nitrate	4.5	mg/L	0.10	04/02/25 15:15	
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	2.0	04/04/25 16:58	
50397563003	**MW-9I**					
EPA 9056	Chloride	189	mg/L	2.5	04/07/25 15:18	
EPA 9056	Fluoride	0.27	mg/L	0.10	04/07/25 15:01	
EPA 9056	Sulfate	289	mg/L	2.5	04/07/25 15:18	
EPA 6010	Boron	235	ug/L	100	04/03/25 23:37	
EPA 6010	Calcium	111000	ug/L	1000	04/03/25 23:37	
EPA 6010	Magnesium	31300	ug/L	1000	04/03/25 23:37	
EPA 6010	Manganese	321	ug/L	10.0	04/03/25 23:37	
EPA 6010	Molybdenum	20.6	ug/L	10.0	04/03/25 23:37	
EPA 6010	Potassium	8070	ug/L	1000	04/03/25 23:37	
EPA 6010	Sodium	153000	ug/L	1000	04/03/25 23:37	
EPA 6010	Molybdenum, Dissolved	21.4	ug/L	10.0	04/05/25 00:35	
EPA 6020	Barium	70.5	ug/L	1.0	04/09/25 00:11	
EPA 6020	Cobalt	1.2	ug/L	1.0	04/09/25 00:11	
EPA 903.1	Radium-226	0.194 ± 0.447 (0.809) C:NA T:94%	pCi/L		04/21/25 14:12	
EPA 904.0	Radium-228	0.808 ± 0.428 (0.745) C:72% T:77%	pCi/L		04/21/25 11:35	
Total Radium Calculation	Total Radium	1.00 ± 0.875 (1.55)	pCi/L		04/22/25 13:56	
SM 2320B	Alkalinity, Total as CaCO3	216	mg/L	10.0	04/09/25 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	216	mg/L	10.0	04/09/25 14:32	
SM 2540C	Total Dissolved Solids	902	mg/L	20.0	04/02/25 08:40	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/07/25 10:14	H3
EPA 353.2	Nitrogen, Nitrate	2.1	mg/L	0.10	04/02/25 15:06	
SM 5310C	Dissolved Organic Carbon	1.8	mg/L	1.0	04/04/25 18:08	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397563004	**MW-9D**					
EPA 9056	Chloride	61.5	mg/L	2.5	04/07/25 16:09	
EPA 9056	Sulfate	48.9	mg/L	2.5	04/07/25 16:09	
EPA 6010	Calcium	117000	ug/L	1000	04/03/25 23:39	
EPA 6010	Iron	245	ug/L	100	04/03/25 23:39	
EPA 6010	Magnesium	24800	ug/L	1000	04/03/25 23:39	
EPA 6010	Manganese	257	ug/L	10.0	04/03/25 23:39	
EPA 6010	Potassium	2770	ug/L	1000	04/03/25 23:39	
EPA 6010	Sodium	42200	ug/L	1000	04/03/25 23:39	
EPA 6020	Barium	132	ug/L	1.0	04/09/25 00:22	
EPA 903.1	Radium-226	0.571 ± 0.513 (0.779) C:NA T:94%	pCi/L		04/21/25 14:12	
EPA 904.0	Radium-228	0.677 ± 0.388 (0.703) C:71% T:90%	pCi/L		04/21/25 11:36	
Total Radium Calculation	Total Radium	1.25 ± 0.901 (1.48)	pCi/L		04/22/25 13:56	
SM 2320B	Alkalinity, Total as CaCO3	350	mg/L	10.0	04/09/25 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	350	mg/L	10.0	04/09/25 14:32	
SM 2540C	Total Dissolved Solids	529	mg/L	10.0	04/02/25 08:41	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	04/07/25 10:15	H3
EPA 353.2	Nitrogen, Nitrate	0.13	mg/L	0.10	04/02/25 15:13	
50397563005	**DUP 1**					
EPA 9056	Chloride	474	mg/L	25.0	04/07/25 17:52	
EPA 9056	Fluoride	0.52	mg/L	0.10	04/07/25 17:18	
EPA 9056	Sulfate	1600	mg/L	25.0	04/07/25 17:52	
EPA 6010	Boron	4880	ug/L	100	04/03/25 23:41	
EPA 6010	Calcium	486000	ug/L	4000	04/04/25 00:39	
EPA 6010	Lithium	151	ug/L	20.0	04/03/25 23:41	
EPA 6010	Magnesium	117000	ug/L	1000	04/03/25 23:41	
EPA 6010	Manganese	26.6	ug/L	10.0	04/03/25 23:41	
EPA 6010	Molybdenum	284	ug/L	10.0	04/03/25 23:41	
EPA 6010	Potassium	24600	ug/L	1000	04/03/25 23:41	
EPA 6010	Sodium	376000	ug/L	4000	04/04/25 00:39	
EPA 6010	Molybdenum, Dissolved	291	ug/L	10.0	04/05/25 00:39	
EPA 6020	Arsenic	15.0	ug/L	1.0	04/09/25 00:26	
EPA 6020	Barium	170	ug/L	1.0	04/09/25 00:26	
EPA 6020	Selenium	6.0	ug/L	1.0	04/09/25 00:26	
EPA 903.1	Radium-226	0.205 ± 0.620 (1.12) C:NA T:91%	pCi/L		04/21/25 14:12	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397563005	**DUP 1**					
EPA 904.0	Radium-228	0.523 ± 0.366 (0.698) C:72% T:84%	pCi/L		04/21/25 11:35	
Total Radium Calculation	Total Radium	0.728 ± 0.986 (1.82)	pCi/L		04/22/25 13:56	
SM 2320B	Alkalinity, Total as CaCO3	200	mg/L	10.0	04/09/25 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	200	mg/L	10.0	04/09/25 14:32	
SM 2540C	Total Dissolved Solids	3380	mg/L	40.0	04/02/25 08:42	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/07/25 10:17	H3
EPA 353.2	Nitrogen, Nitrate	4.6	mg/L	0.10	04/02/25 15:21	
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	2.0	04/04/25 19:39	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-8S **Lab ID: 50397563001** Collected: 04/01/25 15:10 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**303**	mg/L	25.0	13.0	100		04/07/25 13:18	16887-00-6	
Fluoride	**0.37**	mg/L	0.10	0.016	1		04/07/25 12:43	16984-48-8	
Sulfate	**846**	mg/L	25.0	19.0	100		04/07/25 13:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2360**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:32	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:32	7440-43-9	
Calcium	**278000**	ug/L	2000	168	2	04/02/25 16:42	04/04/25 00:35	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:32	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:32	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:32	7439-92-1	
Lithium	**71.7**	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:32	7439-93-2	
Magnesium	**68900**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:32	7439-95-4	
Manganese	**132**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:32	7439-96-5	
Molybdenum	**129**	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:32	7439-98-7	
Potassium	**14000**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:32	7440-09-7	
Sodium	**224000**	ug/L	2000	190	2	04/02/25 16:42	04/04/25 00:35	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**131**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:30	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/07/25 15:17	04/09/25 00:04	7440-36-0	
Arsenic	**3.8**	ug/L	1.0	0.080	1	04/07/25 15:17	04/09/25 00:04	7440-38-2	
Barium	**113**	ug/L	1.0	0.11	1	04/07/25 15:17	04/09/25 00:04	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/07/25 15:17	04/10/25 21:38	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/07/25 15:17	04/09/25 00:04	7440-48-4	
Selenium	**1.1**	ug/L	1.0	0.26	1	04/07/25 15:17	04/09/25 00:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/07/25 15:17	04/09/25 00:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 20:45	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**241**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Bicarbonate (CaCO3)	**241**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/09/25 14:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-8S **Lab ID: 50397563001** Collected: 04/01/25 15:10 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1840**	mg/L	40.0	40.0	1		04/02/25 08:39		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/07/25 10:11		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.46**	mg/L	0.10	0.013	1		04/02/25 15:19	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	2.0	0.60	2		04/04/25 15:39		D3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9S **Lab ID: 50397563002** Collected: 04/01/25 13:10 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**477**	mg/L	25.0	13.0	100		04/07/25 14:43	16887-00-6	
Fluoride	**0.52**	mg/L	0.10	0.016	1		04/07/25 14:09	16984-48-8	
Sulfate	**1610**	mg/L	25.0	19.0	100		04/07/25 14:43	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4870**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:34	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:34	7440-43-9	
Calcium	**489000**	ug/L	4000	336	4	04/02/25 16:42	04/04/25 00:37	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:34	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:34	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:34	7439-92-1	
Lithium	**155**	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:34	7439-93-2	
Magnesium	**118000**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:34	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:34	7439-96-5	
Molybdenum	**288**	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:34	7439-98-7	
Potassium	**24900**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:34	7440-09-7	
Sodium	**374000**	ug/L	4000	380	4	04/02/25 16:42	04/04/25 00:37	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**287**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:32	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/07/25 15:17	04/09/25 00:08	7440-36-0	
Arsenic	**14.8**	ug/L	1.0	0.080	1	04/07/25 15:17	04/09/25 00:08	7440-38-2	
Barium	**172**	ug/L	1.0	0.11	1	04/07/25 15:17	04/09/25 00:08	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/07/25 15:17	04/10/25 21:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/07/25 15:17	04/09/25 00:08	7440-48-4	
Selenium	**5.7**	ug/L	1.0	0.26	1	04/07/25 15:17	04/09/25 00:08	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/07/25 15:17	04/09/25 00:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 20:48	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**218**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Bicarbonate (CaCO3)	**218**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/09/25 14:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9S **Lab ID: 50397563002** Collected: 04/01/25 13:10 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3410**	mg/L	40.0	40.0	1		04/02/25 08:39		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/07/25 10:14		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.5**	mg/L	0.10	0.013	1		04/02/25 15:15	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	2.0	0.60	2		04/04/25 16:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9I **Lab ID: 50397563003** Collected: 04/01/25 11:00 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**189**	mg/L	2.5	1.3	10		04/07/25 15:18	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		04/07/25 15:01	16984-48-8	
Sulfate	**289**	mg/L	2.5	1.9	10		04/07/25 15:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**235**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:37	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:37	7440-43-9	
Calcium	**111000**	ug/L	1000	83.9	1	04/02/25 16:42	04/03/25 23:37	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:37	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:37	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:37	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:37	7439-93-2	
Magnesium	**31300**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:37	7439-95-4	
Manganese	**321**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:37	7439-96-5	
Molybdenum	**20.6**	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:37	7439-98-7	
Potassium	**8070**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:37	7440-09-7	
Sodium	**153000**	ug/L	1000	95.0	1	04/02/25 16:42	04/03/25 23:37	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**21.4**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:35	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/07/25 15:17	04/09/25 00:11	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/07/25 15:17	04/09/25 00:11	7440-38-2	
Barium	**70.5**	ug/L	1.0	0.11	1	04/07/25 15:17	04/09/25 00:11	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/07/25 15:17	04/14/25 15:04	7440-41-7	
Cobalt	**1.2**	ug/L	1.0	0.045	1	04/07/25 15:17	04/09/25 00:11	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/07/25 15:17	04/09/25 00:11	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/07/25 15:17	04/09/25 00:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 20:50	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**216**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Bicarbonate (CaCO3)	**216**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/09/25 14:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9I **Lab ID: 50397563003** Collected: 04/01/25 11:00 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**902**	mg/L	20.0	20.0	1		04/02/25 08:40		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/07/25 10:14		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.1**	mg/L	0.10	0.013	1		04/02/25 15:06	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.8**	mg/L	1.0	0.30	1		04/04/25 18:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9D **Lab ID: 50397563004** Collected: 04/01/25 12:10 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**61.5**	mg/L	2.5	1.3	10		04/07/25 16:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/07/25 15:52	16984-48-8	
Sulfate	**48.9**	mg/L	2.5	1.9	10		04/07/25 16:09	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:39	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:39	7440-43-9	
Calcium	**117000**	ug/L	1000	83.9	1	04/02/25 16:42	04/03/25 23:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:39	7440-47-3	
Iron	**245**	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:39	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:39	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:39	7439-93-2	
Magnesium	**24800**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:39	7439-95-4	
Manganese	**257**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:39	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:39	7439-98-7	
Potassium	**2770**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:39	7440-09-7	
Sodium	**42200**	ug/L	1000	95.0	1	04/02/25 16:42	04/03/25 23:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:37	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/07/25 15:17	04/09/25 00:22	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/07/25 15:17	04/09/25 00:22	7440-38-2	
Barium	**132**	ug/L	1.0	0.11	1	04/07/25 15:17	04/09/25 00:22	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/07/25 15:17	04/14/25 15:07	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/07/25 15:17	04/09/25 00:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/07/25 15:17	04/09/25 00:22	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/07/25 15:17	04/09/25 00:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 20:57	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**350**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Bicarbonate (CaCO3)	**350**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/09/25 14:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9D **Lab ID: 50397563004** Collected: 04/01/25 12:10 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**529**	mg/L	10.0	10.0	1		04/02/25 08:41		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		04/07/25 10:15		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.13**	mg/L	0.10	0.013	1		04/02/25 15:13	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/04/25 19:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: DUP 1 **Lab ID: 50397563005** Collected: 04/01/25 08:00 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**474**	mg/L	25.0	13.0	100		04/07/25 17:52	16887-00-6	
Fluoride	**0.52**	mg/L	0.10	0.016	1		04/07/25 17:18	16984-48-8	
Sulfate	**1600**	mg/L	25.0	19.0	100		04/07/25 17:52	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4880**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:41	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:41	7440-43-9	
Calcium	**486000**	ug/L	4000	336	4	04/02/25 16:42	04/04/25 00:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:41	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:41	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:41	7439-92-1	
Lithium	**151**	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:41	7439-93-2	
Magnesium	**117000**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:41	7439-95-4	
Manganese	**26.6**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:41	7439-96-5	
Molybdenum	**284**	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:41	7439-98-7	
Potassium	**24600**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:41	7440-09-7	
Sodium	**376000**	ug/L	4000	380	4	04/02/25 16:42	04/04/25 00:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**291**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:39	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/07/25 15:17	04/09/25 00:26	7440-36-0	
Arsenic	**15.0**	ug/L	1.0	0.080	1	04/07/25 15:17	04/09/25 00:26	7440-38-2	
Barium	**170**	ug/L	1.0	0.11	1	04/07/25 15:17	04/09/25 00:26	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/07/25 15:17	04/14/25 15:11	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/07/25 15:17	04/09/25 00:26	7440-48-4	
Selenium	**6.0**	ug/L	1.0	0.26	1	04/07/25 15:17	04/09/25 00:26	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/07/25 15:17	04/09/25 00:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 21:00	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**200**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Bicarbonate (CaCO3)	**200**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/09/25 14:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: DUP 1 **Lab ID: 50397563005** Collected: 04/01/25 08:00 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3380**	mg/L	40.0	40.0	1		04/02/25 08:42		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/07/25 10:17		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.6**	mg/L	0.10	0.013	1		04/02/25 15:21	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	2.0	0.60	2		04/04/25 19:39		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837605
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3833008 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/07/25 10:26	
Fluoride	mg/L	ND	0.10	0.016	04/07/25 10:26	
Sulfate	mg/L	ND	0.25	0.19	04/07/25 10:26	

LABORATORY CONTROL SAMPLE: 3833009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	0.98	98	80-120	
Sulfate	mg/L	5	5.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3833010 3833011

Parameter	Units	50397563003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	189	25	25	208	209	75	80	80-120	1	15	M0
Fluoride	mg/L	0.27	1	1	1.3	1.3	98	98	80-120	0	15	
Sulfate	mg/L	289	50	50	326	330	74	82	80-120	1	15	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837817 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3834065 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/07/25 19:56	

LABORATORY CONTROL SAMPLE: 3834066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834067 3834068

Parameter	Units	50397563003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.9	98	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837222
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3831186 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/03/25 23:25	
Cadmium	ug/L	ND	2.0	0.46	04/03/25 23:25	
Calcium	ug/L	ND	1000	83.9	04/03/25 23:25	
Chromium	ug/L	ND	10.0	0.96	04/03/25 23:25	
Iron	ug/L	ND	100	41.0	04/03/25 23:25	
Lead	ug/L	ND	10.0	2.0	04/03/25 23:25	
Lithium	ug/L	ND	20.0	3.8	04/03/25 23:25	
Magnesium	ug/L	ND	1000	53.7	04/03/25 23:25	
Manganese	ug/L	ND	10.0	0.77	04/03/25 23:25	
Molybdenum	ug/L	ND	10.0	1.4	04/03/25 23:25	
Potassium	ug/L	ND	1000	113	04/03/25 23:25	
Sodium	ug/L	ND	1000	95.0	04/03/25 23:25	

LABORATORY CONTROL SAMPLE: 3831187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	965	96	80-120	
Cadmium	ug/L	1000	958	96	80-120	
Calcium	ug/L	10000	9980	100	80-120	
Chromium	ug/L	1000	988	99	80-120	
Iron	ug/L	10000	9490	95	80-120	
Lead	ug/L	1000	927	93	80-120	
Lithium	ug/L	1000	980	98	80-120	
Magnesium	ug/L	10000	9760	98	80-120	
Manganese	ug/L	1000	956	96	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9650	97	80-120	
Sodium	ug/L	10000	9810	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831188 3831189

Parameter	Units	50397573016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	78.7J	1000	1000	1070	1080	99	100	75-125	1	20	
Cadmium	ug/L	<0.46	1000	1000	954	959	95	96	75-125	1	20	
Calcium	ug/L	93200	10000	10000	103000	104000	96	105	75-125	1	20	
Chromium	ug/L	13.8	1000	1000	981	985	97	97	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831188 3831189

Parameter	Units	50397573016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	3000	10000	10000	12400	12400	94	94	75-125	0	20	
Lead	ug/L	2.1J	1000	1000	886	896	88	89	75-125	1	20	
Lithium	ug/L	4.7J	1000	1000	971	977	97	97	75-125	1	20	
Magnesium	ug/L	23200	10000	10000	32600	32800	94	97	75-125	1	20	
Manganese	ug/L	297	1000	1000	1230	1230	93	94	75-125	0	20	
Molybdenum	ug/L	12.0	1000	1000	1030	1040	102	103	75-125	0	20	
Potassium	ug/L	7000	10000	10000	16900	17100	99	101	75-125	1	20	
Sodium	ug/L	176000	10000	10000	184000	186000	80	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837346 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3831836 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/05/25 00:01	

LABORATORY CONTROL SAMPLE: 3831837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	988	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831838 3831839

Parameter	Units	50397491002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1000	999	100	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837750
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3833906 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/08/25 20:35	
Arsenic	ug/L	ND	1.0	0.080	04/08/25 20:35	
Barium	ug/L	ND	1.0	0.11	04/08/25 20:35	
Beryllium	ug/L	ND	0.20	0.026	04/08/25 20:35	
Cobalt	ug/L	ND	1.0	0.045	04/08/25 20:35	
Selenium	ug/L	ND	1.0	0.26	04/08/25 20:35	
Thallium	ug/L	ND	1.0	0.052	04/08/25 20:35	

LABORATORY CONTROL SAMPLE: 3833907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.7	104	80-120	
Arsenic	ug/L	40	39.8	99	80-120	
Barium	ug/L	40	40.7	102	80-120	
Beryllium	ug/L	40	42.4	106	80-120	
Cobalt	ug/L	40	42.1	105	80-120	
Selenium	ug/L	40	41.0	102	80-120	
Thallium	ug/L	40	42.2	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3833908 3833909

Parameter	Units	50397948003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.1	40.4	100	101	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.8	39.2	96	97	75-125	1	20	
Barium	ug/L	186	40	40	225	226	99	101	75-125	0	20	E
Beryllium	ug/L	ND	40	40	41.0	41.4	102	104	75-125	1	20	IC
Cobalt	ug/L	ND	40	40	40.1	40.3	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	39.0	38.8	97	97	75-125	1	20	
Thallium	ug/L	ND	40	40	42.2	42.7	106	107	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 838116 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3835194 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/09/25 14:32	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/09/25 14:32	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/09/25 14:32	

LABORATORY CONTROL SAMPLE: 3835195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.0	96	90-110	

SAMPLE DUPLICATE: 3835196

Parameter	Units	50397739015 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	226	221	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	211	207	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	14.8	14.8	0	20	

SAMPLE DUPLICATE: 3835197

Parameter	Units	50397739016 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	230	232	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	217	216	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	13.6	15.6	14	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837135 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3830923 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/02/25 08:31	

LABORATORY CONTROL SAMPLE: 3830924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	280	93	80-120	

SAMPLE DUPLICATE: 3830925

Parameter	Units	60471953003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	783	765	2	10	

SAMPLE DUPLICATE: 3830926

Parameter	Units	60471953007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	783	774	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837778
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

SAMPLE DUPLICATE: 3833969

Parameter	Units	50397563001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.5	0	2	H3

SAMPLE DUPLICATE: 3833970

Parameter	Units	50397960002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837210 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3831169 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/02/25 14:53	

LABORATORY CONTROL SAMPLE: 3831170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	112	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831171 3831172

Parameter	Units	50397565001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	112	111	90-110	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 837449
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3832214 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/04/25 15:00	

LABORATORY CONTROL SAMPLE: 3832215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832216 3832217

Parameter	Units	50397563001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	40	40	41.2	41.2	98	98	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-8S **Lab ID: 50397563001** Collected: 04/01/25 15:10 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.259 ± 0.367 (0.621) C:NA T:90%**	pCi/L	04/21/25 14:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.592 ± 0.473 (0.954) C:74% T:87%**	pCi/L	04/21/25 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.851 ± 0.840 (1.58)**	pCi/L	04/22/25 13:56	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9S **Lab ID: 50397563002** Collected: 04/01/25 13:10 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.160 ± 0.524 (1.07) C:NA T:90%**	pCi/L	04/21/25 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.847 ± 0.440 (0.768) C:68% T:86%**	pCi/L	04/21/25 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.847 ± 0.964 (1.84)**	pCi/L	04/22/25 13:56	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9I **Lab ID: 50397563003** Collected: 04/01/25 11:00 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.194 ± 0.447 (0.809) C:NA T:94%**	pCi/L	04/21/25 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.808 ± 0.428 (0.745) C:72% T:77%**	pCi/L	04/21/25 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.00 ± 0.875 (1.55)**	pCi/L	04/22/25 13:56	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: MW-9D **Lab ID: 50397563004** Collected: 04/01/25 12:10 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.571 ± 0.513 (0.779) C:NA T:94%**	pCi/L	04/21/25 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.677 ± 0.388 (0.703) C:71% T:90%**	pCi/L	04/21/25 11:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.25 ± 0.901 (1.48)**	pCi/L	04/22/25 13:56	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Sample: DUP 1 **Lab ID: 50397563005** Collected: 04/01/25 08:00 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.205 ± 0.620 (1.12) C:NA T:91%**	pCi/L	04/21/25 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.523 ± 0.366 (0.698) C:72% T:84%**	pCi/L	04/21/25 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.728 ± 0.986 (1.82)**	pCi/L	04/22/25 13:56	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 737547 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3589760 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.187 ± 0.371 (0.817) C:77% T:85%	pCi/L	04/21/25 11:37	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

QC Batch: 737546 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

METHOD BLANK: 3589756 Matrix: Water
Associated Lab Samples: 50397563001, 50397563002, 50397563003, 50397563004, 50397563005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.115 ± 0.249 (0.458) C:NA T:92%	pCi/L	04/21/25 14:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397563001	**MW-8S**	EPA 9056	837605		
50397563002	**MW-9S**	EPA 9056	837605		
50397563003	**MW-9I**	EPA 9056	837605		
50397563004	**MW-9D**	EPA 9056	837605		
50397563005	**DUP 1**	EPA 9056	837605		
50397563001	**MW-8S**	EPA 3010	837222	EPA 6010	837499
50397563002	**MW-9S**	EPA 3010	837222	EPA 6010	837499
50397563003	**MW-9I**	EPA 3010	837222	EPA 6010	837499
50397563004	**MW-9D**	EPA 3010	837222	EPA 6010	837499
50397563005	**DUP 1**	EPA 3010	837222	EPA 6010	837499
50397563001	**MW-8S**	EPA 3010	837346	EPA 6010	837688
50397563002	**MW-9S**	EPA 3010	837346	EPA 6010	837688
50397563003	**MW-9I**	EPA 3010	837346	EPA 6010	837688
50397563004	**MW-9D**	EPA 3010	837346	EPA 6010	837688
50397563005	**DUP 1**	EPA 3010	837346	EPA 6010	837688
50397563001	**MW-8S**	EPA 200.2	837750	EPA 6020	837922
50397563002	**MW-9S**	EPA 200.2	837750	EPA 6020	837922
50397563003	**MW-9I**	EPA 200.2	837750	EPA 6020	837922
50397563004	**MW-9D**	EPA 200.2	837750	EPA 6020	837922
50397563005	**DUP 1**	EPA 200.2	837750	EPA 6020	837922
50397563001	**MW-8S**	EPA 7470	837817	EPA 7470	837901
50397563002	**MW-9S**	EPA 7470	837817	EPA 7470	837901
50397563003	**MW-9I**	EPA 7470	837817	EPA 7470	837901
50397563004	**MW-9D**	EPA 7470	837817	EPA 7470	837901
50397563005	**DUP 1**	EPA 7470	837817	EPA 7470	837901
50397563001	**MW-8S**	EPA 903.1	737546		
50397563002	**MW-9S**	EPA 903.1	737546		
50397563003	**MW-9I**	EPA 903.1	737546		
50397563004	**MW-9D**	EPA 903.1	737546		
50397563005	**DUP 1**	EPA 903.1	737546		
50397563001	**MW-8S**	EPA 904.0	737547		
50397563002	**MW-9S**	EPA 904.0	737547		
50397563003	**MW-9I**	EPA 904.0	737547		
50397563004	**MW-9D**	EPA 904.0	737547		
50397563005	**DUP 1**	EPA 904.0	737547		
50397563001	**MW-8S**	Total Radium Calculation	741223		
50397563002	**MW-9S**	Total Radium Calculation	741223		
50397563003	**MW-9I**	Total Radium Calculation	741223		
50397563004	**MW-9D**	Total Radium Calculation	741223		
50397563005	**DUP 1**	Total Radium Calculation	741223		
50397563001	**MW-8S**	SM 2320B	838116		
50397563002	**MW-9S**	SM 2320B	838116		
50397563003	**MW-9I**	SM 2320B	838116		
50397563004	**MW-9D**	SM 2320B	838116		
50397563005	**DUP 1**	SM 2320B	838116		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397563

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397563001	**MW-8S**	SM 2540C	837135		
50397563002	**MW-9S**	SM 2540C	837135		
50397563003	**MW-9I**	SM 2540C	837135		
50397563004	**MW-9D**	SM 2540C	837135		
50397563005	**DUP 1**	SM 2540C	837135		
50397563001	**MW-8S**	SM 4500-H+B	837778		
50397563002	**MW-9S**	SM 4500-H+B	837778		
50397563003	**MW-9I**	SM 4500-H+B	837778		
50397563004	**MW-9D**	SM 4500-H+B	837778		
50397563005	**DUP 1**	SM 4500-H+B	837778		
50397563001	**MW-8S**	EPA 353.2	837210		
50397563002	**MW-9S**	EPA 353.2	837210		
50397563003	**MW-9I**	EPA 353.2	837210		
50397563004	**MW-9D**	EPA 353.2	837210		
50397563005	**DUP 1**	EPA 353.2	837210		
50397563001	**MW-8S**	SM 5310C	837449		
50397563002	**MW-9S**	SM 5310C	837449		
50397563003	**MW-9I**	SM 5310C	837449		
50397563004	**MW-9D**	SM 5310C	837449		
50397563005	**DUP 1**	SM 5310C	837449		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50397563

50397563

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [✓] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW-8S			~~4-1-25~~		4-1-25	1510	9			X	X	X	X	X	X	X	X	X	001
MW-9S					4-1-25	1310	9			X	X	X	X	X	X	X	X	X	002
MW-9I					4-1-25	1100	9			X	X	X	X	X	X	X	X	X	003
MW-9D					4-1-25	1210	9			X	X	X	X	X	X	X	X	X	004
DUP-1					4-1-25	—	9			X	X	X	X	X	X	X	X	X	005

Lab Use Only

Proj. Mgr: **Amanda Gaines**

AcctNum / Client ID:

Table #:

Profile / Template: **10498/69**

Prelog / Bottle Ord. ID: **EZ 3238786**

Preservation non-conformance identified for sample.

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mykah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	B	-0.5	see sour		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Mykah Bertram / ATLAS	4-1-25 1705	Pace	4/1/25 1705
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/1/25 17:32 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A (B) C D E F G H I

2. Cooler Temperature(s): 2.8/2.3 | 2.0/1.5 | | | (Initial/Corrected)

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any ~~container with a septum~~ cap or preserved with HCl.** **Circle: (HNO3 (<2)) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	—		
Short Hold Time Analysis (48 hours or less)? **Analysis:** 353.2 Nitrate	—					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A —
Rush TAT Requested (4 days or less):		—	Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Custody Signatures Present?	—		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Containers Intact?:	—		Trip Blank Present?		—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—		Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix
1												2				2	1	2	1	1									WT
2												↓				↓	↓	↓	↓	↓									↓
3												↓				↓	↓	↓	↓	↓									↓
4												↓				↓	↓	↓	↓	↓									↓
5												↓				↓	↓	↓	↓	↓									↓
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/ZnAc >9

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl. Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic
NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Dear Mr. Breting:

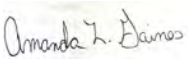
Enclosed are the analytical results for sample(s) received by the laboratory on April 01, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50397565001	**MW-25D**	Water	04/01/25 10:43	04/01/25 17:05
50397565002	**MW-25I**	Water	04/01/25 12:05	04/01/25 17:05
50397565003	**MW-25S**	Water	04/01/25 13:16	04/01/25 17:05
50397565004	**DUP 6**	Water	04/01/25 00:01	04/01/25 17:05

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50397565001	**MW-25D**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397565002	**MW-25I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397565003	**MW-25S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397565004	**DUP 6**	EPA 9056	MTW	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397565001	**MW-25D**					
EPA 9056	Chloride	80.0	mg/L	2.5	04/07/25 18:27	
EPA 9056	Sulfate	73.6	mg/L	2.5	04/07/25 18:27	
EPA 6010	Boron	991	ug/L	100	04/03/25 23:44	
EPA 6010	Calcium	73700	ug/L	1000	04/03/25 23:44	
EPA 6010	Iron	1270	ug/L	100	04/03/25 23:44	
EPA 6010	Lithium	65.6	ug/L	20.0	04/03/25 23:44	
EPA 6010	Magnesium	15700	ug/L	1000	04/03/25 23:44	
EPA 6010	Manganese	98.0	ug/L	10.0	04/03/25 23:44	
EPA 6010	Molybdenum	161	ug/L	20.0	04/04/25 00:42	
EPA 6010	Potassium	3470	ug/L	1000	04/03/25 23:44	
EPA 6010	Sodium	69800	ug/L	1000	04/03/25 23:44	
EPA 6010	Molybdenum, Dissolved	173	ug/L	10.0	04/05/25 00:41	
EPA 6020	Arsenic	1.4	ug/L	1.0	04/03/25 17:15	
EPA 6020	Barium	59.7	ug/L	1.0	04/03/25 17:15	
EPA 903.1	Radium-226	0.790 ± 0.669 (1.01) C:NA T:93%	pCi/L		04/17/25 16:04	
EPA 904.0	Radium-228	0.790 ± 0.450 (0.835) C:78% T:89%	pCi/L		04/17/25 10:55	
Total Radium Calculation	Total Radium	1.58 ± 1.12 (1.85)	pCi/L		04/18/25 15:50	
SM 2320B	Alkalinity, Total as CaCO3	230	mg/L	10.0	04/09/25 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	230	mg/L	10.0	04/09/25 14:32	
SM 2540C	Total Dissolved Solids	469	mg/L	10.0	04/02/25 08:42	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/07/25 10:18	H3
50397565002	**MW-25I**					
EPA 9056	Chloride	101	mg/L	2.5	04/07/25 19:18	
EPA 9056	Sulfate	81.5	mg/L	2.5	04/07/25 19:18	
EPA 6010	Boron	785	ug/L	100	04/03/25 23:47	
EPA 6010	Calcium	75300	ug/L	1000	04/03/25 23:47	
EPA 6010	Iron	658	ug/L	100	04/03/25 23:47	
EPA 6010	Lithium	80.4	ug/L	20.0	04/03/25 23:47	
EPA 6010	Magnesium	20600	ug/L	1000	04/03/25 23:47	
EPA 6010	Manganese	199	ug/L	10.0	04/03/25 23:47	
EPA 6010	Molybdenum	134	ug/L	10.0	04/03/25 23:47	
EPA 6010	Potassium	6450	ug/L	1000	04/03/25 23:47	
EPA 6010	Sodium	71200	ug/L	1000	04/03/25 23:47	
EPA 6010	Molybdenum, Dissolved	141	ug/L	10.0	04/05/25 00:43	
EPA 6020	Arsenic	1.9	ug/L	1.0	04/03/25 17:20	
EPA 6020	Barium	85.5	ug/L	1.0	04/03/25 17:20	
EPA 903.1	Radium-226	0.320 ± 0.628 (1.11) C:NA T:89%	pCi/L		04/17/25 16:16	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397565002	**MW-25I**					
EPA 904.0	Radium-228	0.240 ± 0.444 (0.972) C:75% T:83%	pCi/L		04/17/25 10:55	
Total Radium Calculation	Total Radium	0.560 ± 1.07 (2.08)	pCi/L		04/18/25 15:50	
SM 2320B	Alkalinity, Total as CaCO3	228	mg/L	10.0	04/10/25 11:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	228	mg/L	10.0	04/10/25 11:08	
SM 2540C	Total Dissolved Solids	503	mg/L	10.0	04/02/25 08:43	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/07/25 10:19	H3
50397565003	**MW-25S**					
EPA 9056	Chloride	139	mg/L	2.5	04/07/25 20:44	
EPA 9056	Fluoride	0.26	mg/L	0.10	04/07/25 20:27	
EPA 9056	Sulfate	119	mg/L	2.5	04/07/25 20:44	
EPA 6010	Boron	245	ug/L	100	04/03/25 23:56	
EPA 6010	Calcium	90700	ug/L	1000	04/03/25 23:56	
EPA 6010	Iron	124	ug/L	100	04/03/25 23:56	
EPA 6010	Lithium	58.2	ug/L	20.0	04/03/25 23:56	
EPA 6010	Magnesium	23900	ug/L	1000	04/03/25 23:56	
EPA 6010	Manganese	584	ug/L	10.0	04/03/25 23:56	
EPA 6010	Molybdenum	86.1	ug/L	10.0	04/03/25 23:56	
EPA 6010	Potassium	6420	ug/L	1000	04/03/25 23:56	
EPA 6010	Sodium	100000	ug/L	1000	04/03/25 23:56	
EPA 6010	Molybdenum, Dissolved	95.0	ug/L	10.0	04/05/25 00:45	
EPA 6020	Barium	109	ug/L	1.0	04/03/25 17:24	
EPA 903.1	Radium-226	0.722 ± 0.787 (1.28) C:NA T:91%	pCi/L		04/17/25 16:16	
EPA 904.0	Radium-228	0.756 ± 0.492 (0.945) C:72% T:81%	pCi/L		04/17/25 10:55	
Total Radium Calculation	Total Radium	1.48 ± 1.28 (2.23)	pCi/L		04/18/25 15:50	
SM 2320B	Alkalinity, Total as CaCO3	245	mg/L	10.0	04/10/25 11:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	245	mg/L	10.0	04/10/25 11:08	
SM 2540C	Total Dissolved Solids	620	mg/L	10.0	04/03/25 08:36	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/07/25 10:20	H3
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	04/04/25 00:25	
50397565004	**DUP 6**					
EPA 9056	Chloride	81.3	mg/L	2.5	04/07/25 21:18	
EPA 9056	Sulfate	74.1	mg/L	2.5	04/07/25 21:18	
EPA 6010	Boron	991	ug/L	100	04/03/25 23:58	
EPA 6010	Calcium	74800	ug/L	1000	04/03/25 23:58	
EPA 6010	Iron	1280	ug/L	100	04/03/25 23:58	
EPA 6010	Lithium	65.1	ug/L	20.0	04/03/25 23:58	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397565004	**DUP 6**					
EPA 6010	Magnesium	16000	ug/L	1000	04/03/25 23:58	
EPA 6010	Manganese	99.0	ug/L	10.0	04/03/25 23:58	
EPA 6010	Molybdenum	166	ug/L	10.0	04/03/25 23:58	
EPA 6010	Potassium	3430	ug/L	1000	04/03/25 23:58	
EPA 6010	Sodium	71100	ug/L	1000	04/03/25 23:58	
EPA 6010	Molybdenum, Dissolved	160	ug/L	10.0	04/05/25 00:54	
EPA 6020	Arsenic	1.4	ug/L	1.0	04/03/25 17:28	
EPA 6020	Barium	59.5	ug/L	1.0	04/03/25 17:28	
EPA 903.1	Radium-226	0.115 ± 0.596 (1.12) C:NA T:95%	pCi/L		04/17/25 16:16	
EPA 904.0	Radium-228	1.60 ± 0.556 (0.752) C:73% T:82%	pCi/L		04/17/25 10:55	
Total Radium Calculation	Total Radium	1.72 ± 1.15 (1.87)	pCi/L		04/18/25 15:50	
SM 2320B	Alkalinity, Total as CaCO3	227	mg/L	10.0	04/10/25 11:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	227	mg/L	10.0	04/10/25 11:08	
SM 2540C	Total Dissolved Solids	459	mg/L	10.0	04/03/25 08:36	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/07/25 10:20	H3
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/04/25 00:51	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25D **Lab ID: 50397565001** Collected: 04/01/25 10:43 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**80.0**	mg/L	2.5	1.3	10		04/07/25 18:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/07/25 18:10	16984-48-8	
Sulfate	**73.6**	mg/L	2.5	1.9	10		04/07/25 18:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**991**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:44	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:44	7440-43-9	
Calcium	**73700**	ug/L	1000	83.9	1	04/02/25 16:42	04/03/25 23:44	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:44	7440-47-3	
Iron	**1270**	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:44	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:44	7439-92-1	
Lithium	**65.6**	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:44	7439-93-2	
Magnesium	**15700**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:44	7439-95-4	
Manganese	**98.0**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:44	7439-96-5	
Molybdenum	**161**	ug/L	20.0	2.7	2	04/02/25 16:42	04/04/25 00:42	7439-98-7	
Potassium	**3470**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:44	7440-09-7	
Sodium	**69800**	ug/L	1000	95.0	1	04/02/25 16:42	04/03/25 23:44	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**173**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:41	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/02/25 23:45	04/03/25 17:15	7440-36-0	
Arsenic	**1.4**	ug/L	1.0	0.080	1	04/02/25 23:45	04/03/25 17:15	7440-38-2	
Barium	**59.7**	ug/L	1.0	0.11	1	04/02/25 23:45	04/03/25 17:15	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/02/25 23:45	04/08/25 03:38	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/02/25 23:45	04/03/25 17:15	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/02/25 23:45	04/03/25 17:15	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/02/25 23:45	04/03/25 17:15	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 21:20	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**230**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Bicarbonate (CaCO3)	**230**	mg/L	10.0	10.0	1		04/09/25 14:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/09/25 14:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25D **Lab ID: 50397565001** Collected: 04/01/25 10:43 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**469**	mg/L	10.0	10.0	1		04/02/25 08:42		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/07/25 10:18		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/02/25 15:00	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/04/25 20:49		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25I **Lab ID: 50397565002** Collected: 04/01/25 12:05 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**101**	mg/L	2.5	1.3	10		04/07/25 19:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/07/25 19:01	16984-48-8	
Sulfate	**81.5**	mg/L	2.5	1.9	10		04/07/25 19:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**785**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:47	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:47	7440-43-9	
Calcium	**75300**	ug/L	1000	83.9	1	04/02/25 16:42	04/03/25 23:47	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:47	7440-47-3	
Iron	**658**	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:47	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:47	7439-92-1	
Lithium	**80.4**	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:47	7439-93-2	
Magnesium	**20600**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:47	7439-95-4	
Manganese	**199**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:47	7439-96-5	
Molybdenum	**134**	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:47	7439-98-7	
Potassium	**6450**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:47	7440-09-7	
Sodium	**71200**	ug/L	1000	95.0	1	04/02/25 16:42	04/03/25 23:47	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**141**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:43	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/02/25 23:45	04/03/25 17:20	7440-36-0	
Arsenic	**1.9**	ug/L	1.0	0.080	1	04/02/25 23:45	04/03/25 17:20	7440-38-2	
Barium	**85.5**	ug/L	1.0	0.11	1	04/02/25 23:45	04/03/25 17:20	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/02/25 23:45	04/08/25 03:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/02/25 23:45	04/03/25 17:20	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/02/25 23:45	04/03/25 17:20	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/02/25 23:45	04/03/25 17:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 21:22	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**228**	mg/L	10.0	10.0	1		04/10/25 11:08		
Alkalinity,Bicarbonate (CaCO3)	**228**	mg/L	10.0	10.0	1		04/10/25 11:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/10/25 11:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25I **Lab ID: 50397565002** Collected: 04/01/25 12:05 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**503**	mg/L	10.0	10.0	1		04/02/25 08:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/07/25 10:19		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/02/25 15:12	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/03/25 23:59		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25S **Lab ID: 50397565003** Collected: 04/01/25 13:16 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**139**	mg/L	2.5	1.3	10		04/07/25 20:44	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.016	1		04/07/25 20:27	16984-48-8	
Sulfate	**119**	mg/L	2.5	1.9	10		04/07/25 20:44	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**245**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:56	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:56	7440-43-9	
Calcium	**90700**	ug/L	1000	83.9	1	04/02/25 16:42	04/03/25 23:56	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:56	7440-47-3	
Iron	**124**	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:56	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:56	7439-92-1	
Lithium	**58.2**	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:56	7439-93-2	
Magnesium	**23900**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:56	7439-95-4	
Manganese	**584**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:56	7439-96-5	
Molybdenum	**86.1**	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:56	7439-98-7	
Potassium	**6420**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:56	7440-09-7	
Sodium	**100000**	ug/L	1000	95.0	1	04/02/25 16:42	04/03/25 23:56	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**95.0**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:45	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/02/25 23:45	04/03/25 17:24	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/02/25 23:45	04/03/25 17:24	7440-38-2	
Barium	**109**	ug/L	1.0	0.11	1	04/02/25 23:45	04/03/25 17:24	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/02/25 23:45	04/08/25 03:53	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/02/25 23:45	04/03/25 17:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/02/25 23:45	04/03/25 17:24	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/02/25 23:45	04/03/25 17:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 21:24	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**245**	mg/L	10.0	10.0	1		04/10/25 11:08		
Alkalinity,Bicarbonate (CaCO3)	**245**	mg/L	10.0	10.0	1		04/10/25 11:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/10/25 11:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25S **Lab ID: 50397565003** Collected: 04/01/25 13:16 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**620**	mg/L	10.0	10.0	1		04/03/25 08:36		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/07/25 10:20		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/02/25 15:17	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.30	1		04/04/25 00:25		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: DUP 6 **Lab ID: 50397565004** Collected: 04/01/25 00:01 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**81.3**	mg/L	2.5	1.3	10		04/07/25 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/07/25 21:01	16984-48-8	
Sulfate	**74.1**	mg/L	2.5	1.9	10		04/07/25 21:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**991**	ug/L	100	5.6	1	04/02/25 16:42	04/03/25 23:58	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/02/25 16:42	04/03/25 23:58	7440-43-9	
Calcium	**74800**	ug/L	1000	83.9	1	04/02/25 16:42	04/03/25 23:58	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/02/25 16:42	04/03/25 23:58	7440-47-3	
Iron	**1280**	ug/L	100	41.0	1	04/02/25 16:42	04/03/25 23:58	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/02/25 16:42	04/03/25 23:58	7439-92-1	
Lithium	**65.1**	ug/L	20.0	3.8	1	04/02/25 16:42	04/03/25 23:58	7439-93-2	
Magnesium	**16000**	ug/L	1000	53.7	1	04/02/25 16:42	04/03/25 23:58	7439-95-4	
Manganese	**99.0**	ug/L	10.0	0.77	1	04/02/25 16:42	04/03/25 23:58	7439-96-5	
Molybdenum	**166**	ug/L	10.0	1.4	1	04/02/25 16:42	04/03/25 23:58	7439-98-7	
Potassium	**3430**	ug/L	1000	113	1	04/02/25 16:42	04/03/25 23:58	7440-09-7	
Sodium	**71100**	ug/L	1000	95.0	1	04/02/25 16:42	04/03/25 23:58	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**160**	ug/L	10.0	1.4	1	04/04/25 09:22	04/05/25 00:54	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/02/25 23:45	04/03/25 17:28	7440-36-0	
Arsenic	**1.4**	ug/L	1.0	0.080	1	04/02/25 23:45	04/03/25 17:28	7440-38-2	
Barium	**59.5**	ug/L	1.0	0.11	1	04/02/25 23:45	04/03/25 17:28	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/02/25 23:45	04/08/25 03:56	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/02/25 23:45	04/03/25 17:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/02/25 23:45	04/03/25 17:28	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/02/25 23:45	04/03/25 17:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/07/25 11:53	04/07/25 21:27	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**227**	mg/L	10.0	10.0	1		04/10/25 11:08		
Alkalinity,Bicarbonate (CaCO3)	**227**	mg/L	10.0	10.0	1		04/10/25 11:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/10/25 11:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: DUP 6 **Lab ID: 50397565004** Collected: 04/01/25 00:01 Received: 04/01/25 17:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**459**	mg/L	10.0	10.0	1		04/03/25 08:36		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/07/25 10:20		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/02/25 14:57	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/04/25 00:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837605
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3833008 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/07/25 10:26	
Fluoride	mg/L	ND	0.10	0.016	04/07/25 10:26	
Sulfate	mg/L	ND	0.25	0.19	04/07/25 10:26	

LABORATORY CONTROL SAMPLE: 3833009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	0.98	98	80-120	
Sulfate	mg/L	5	5.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3833010 3833011

Parameter	Units	50397563003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	189	25	25	208	209	75	80	80-120	1	15	M0
Fluoride	mg/L	0.27	1	1	1.3	1.3	98	98	80-120	0	15	
Sulfate	mg/L	289	50	50	326	330	74	82	80-120	1	15	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837818
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3834069 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/07/25 21:15	

LABORATORY CONTROL SAMPLE: 3834070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834071 3834072

Parameter	Units	50397573016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.085	5	5	4.9	4.9	97	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837222
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3831186 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/03/25 23:25	
Cadmium	ug/L	ND	2.0	0.46	04/03/25 23:25	
Calcium	ug/L	ND	1000	83.9	04/03/25 23:25	
Chromium	ug/L	ND	10.0	0.96	04/03/25 23:25	
Iron	ug/L	ND	100	41.0	04/03/25 23:25	
Lead	ug/L	ND	10.0	2.0	04/03/25 23:25	
Lithium	ug/L	ND	20.0	3.8	04/03/25 23:25	
Magnesium	ug/L	ND	1000	53.7	04/03/25 23:25	
Manganese	ug/L	ND	10.0	0.77	04/03/25 23:25	
Molybdenum	ug/L	ND	10.0	1.4	04/03/25 23:25	
Potassium	ug/L	ND	1000	113	04/03/25 23:25	
Sodium	ug/L	ND	1000	95.0	04/03/25 23:25	

LABORATORY CONTROL SAMPLE: 3831187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	965	96	80-120	
Cadmium	ug/L	1000	958	96	80-120	
Calcium	ug/L	10000	9980	100	80-120	
Chromium	ug/L	1000	988	99	80-120	
Iron	ug/L	10000	9490	95	80-120	
Lead	ug/L	1000	927	93	80-120	
Lithium	ug/L	1000	980	98	80-120	
Magnesium	ug/L	10000	9760	98	80-120	
Manganese	ug/L	1000	956	96	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9650	97	80-120	
Sodium	ug/L	10000	9810	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831188 3831189

Parameter	Units	50397573016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	78.7J	1000	1000	1070	1080	99	100	75-125	1	20	
Cadmium	ug/L	<0.46	1000	1000	954	959	95	96	75-125	1	20	
Calcium	ug/L	93200	10000	10000	103000	104000	96	105	75-125	1	20	
Chromium	ug/L	13.8	1000	1000	981	985	97	97	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831188 3831189

Parameter	Units	50397573016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	3000	10000	10000	12400	12400	94	94	75-125	0	20	
Lead	ug/L	2.1J	1000	1000	886	896	88	89	75-125	1	20	
Lithium	ug/L	4.7J	1000	1000	971	977	97	97	75-125	1	20	
Magnesium	ug/L	23200	10000	10000	32600	32800	94	97	75-125	1	20	
Manganese	ug/L	297	1000	1000	1230	1230	93	94	75-125	0	20	
Molybdenum	ug/L	12.0	1000	1000	1030	1040	102	103	75-125	0	20	
Potassium	ug/L	7000	10000	10000	16900	17100	99	101	75-125	1	20	
Sodium	ug/L	176000	10000	10000	184000	186000	80	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837346
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3831836 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/05/25 00:01	

LABORATORY CONTROL SAMPLE: 3831837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	988	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831838 3831839

Parameter	Units	50397491002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1000	999	100	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837243
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3831245 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/03/25 17:07	
Arsenic	ug/L	ND	1.0	0.080	04/03/25 17:07	
Barium	ug/L	ND	1.0	0.11	04/03/25 17:07	
Beryllium	ug/L	ND	0.20	0.026	04/08/25 03:31	
Cobalt	ug/L	ND	1.0	0.045	04/03/25 17:07	
Selenium	ug/L	ND	1.0	0.26	04/03/25 17:07	
Thallium	ug/L	ND	1.0	0.052	04/03/25 17:07	

LABORATORY CONTROL SAMPLE: 3831246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.6	106	80-120	
Arsenic	ug/L	40	39.8	99	80-120	
Barium	ug/L	40	40.7	102	80-120	
Beryllium	ug/L	40	38.6	97	80-120	
Cobalt	ug/L	40	41.6	104	80-120	
Selenium	ug/L	40	40.3	101	80-120	
Thallium	ug/L	40	41.5	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831247 3831248

Parameter	Units	50397573016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.56J	40	40	42.6	42.6	105	105	75-125	0	20	
Arsenic	ug/L	0.87J	40	40	40.0	39.8	98	97	75-125	0	20	
Barium	ug/L	26.9	40	40	68.2	68.0	103	103	75-125	0	20	
Beryllium	ug/L	0.043J	40	40	37.5	37.8	94	94	75-125	1	20	CL
Cobalt	ug/L	2.5	40	40	40.9	41.6	96	98	75-125	2	20	
Selenium	ug/L	1.7	40	40	40.9	40.1	98	96	75-125	2	20	
Thallium	ug/L	0.065J	40	40	42.3	42.8	106	107	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 838116
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001

METHOD BLANK: 3835194 Matrix: Water
Associated Lab Samples: 50397565001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/09/25 14:32	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/09/25 14:32	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/09/25 14:32	

LABORATORY CONTROL SAMPLE: 3835195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.0	96	90-110	

SAMPLE DUPLICATE: 3835196

Parameter	Units	50397739015 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	226	221	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	211	207	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	14.8	14.8	0	20	

SAMPLE DUPLICATE: 3835197

Parameter	Units	50397739016 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	230	232	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	217	216	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	13.6	15.6	14	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 838299 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565002, 50397565003, 50397565004

METHOD BLANK: 3836126 Matrix: Water
Associated Lab Samples: 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/10/25 11:08	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/10/25 11:08	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/10/25 11:08	

LABORATORY CONTROL SAMPLE: 3836127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.5	107	90-110	

SAMPLE DUPLICATE: 3836128

Parameter	Units	50397739004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	228	231	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	213	231	8	20	
Alkalinity,Carbonate (CaCO3)	mg/L	15.2	ND		20	

SAMPLE DUPLICATE: 3836129

Parameter	Units	50397740014 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	218	220	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	192	194	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	26.8	25.6	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837135
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002

METHOD BLANK: 3830923 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/02/25 08:31	

LABORATORY CONTROL SAMPLE: 3830924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	280	93	80-120	

SAMPLE DUPLICATE: 3830925

Parameter	Units	60471953003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	783	765	2	10	

SAMPLE DUPLICATE: 3830926

Parameter	Units	60471953007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	783	774	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837329
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565003, 50397565004

METHOD BLANK: 3831804 Matrix: Water
Associated Lab Samples: 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/03/25 08:33	

LABORATORY CONTROL SAMPLE: 3831805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	80-120	

SAMPLE DUPLICATE: 3831806

Parameter	Units	50396907002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3290	3170	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837778
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

SAMPLE DUPLICATE: 3833969

Parameter	Units	50397563001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.5	0	2	H3

SAMPLE DUPLICATE: 3833970

Parameter	Units	50397960002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837210
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3831169 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/02/25 14:53	

LABORATORY CONTROL SAMPLE: 3831170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	112	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3831171 3831172

Parameter	Units	50397565001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	112	111	90-110	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 837449
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3832214 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/04/25 15:00	

LABORATORY CONTROL SAMPLE: 3832215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832216 3832217

Parameter	Units	50397563001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	40	40	41.2	41.2	98	98	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25D **Lab ID: 50397565001** Collected: 04/01/25 10:43 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.790 ± 0.669 (1.01) C:NA T:93%**	pCi/L	04/17/25 16:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.790 ± 0.450 (0.835) C:78% T:89%**	pCi/L	04/17/25 10:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.58 ± 1.12 (1.85)**	pCi/L	04/18/25 15:50	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25I **Lab ID: 50397565002** Collected: 04/01/25 12:05 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.320 ± 0.628 (1.11) C:NA T:89%**	pCi/L	04/17/25 16:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.240 ± 0.444 (0.972) C:75% T:83%**	pCi/L	04/17/25 10:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.560 ± 1.07 (2.08)**	pCi/L	04/18/25 15:50	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: MW-25S **Lab ID: 50397565003** Collected: 04/01/25 13:16 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.722 ± 0.787 (1.28) C:NA T:91%**	pCi/L	04/17/25 16:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.756 ± 0.492 (0.945) C:72% T:81%**	pCi/L	04/17/25 10:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.48 ± 1.28 (2.23)**	pCi/L	04/18/25 15:50	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Sample: DUP 6 **Lab ID: 50397565004** Collected: 04/01/25 00:01 Received: 04/01/25 17:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.115 ± 0.596 (1.12) C:NA T:95%**	pCi/L	04/17/25 16:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.60 ± 0.556 (0.752) C:73% T:82%**	pCi/L	04/17/25 10:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.72 ± 1.15 (1.87)**	pCi/L	04/18/25 15:50	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 737544 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3589755 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.128 ± 0.256 (0.632) C:80% T:88%	pCi/L	04/17/25 10:55	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

QC Batch: 737542
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

METHOD BLANK: 3589754 Matrix: Water
Associated Lab Samples: 50397565001, 50397565002, 50397565003, 50397565004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.268 ± 0.351 (0.585) C:NA T:90%	pCi/L	04/17/25 15:51	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397565001	**MW-25D**	EPA 9056	837605		
50397565002	**MW-25I**	EPA 9056	837605		
50397565003	**MW-25S**	EPA 9056	837605		
50397565004	**DUP 6**	EPA 9056	837605		
50397565001	**MW-25D**	EPA 3010	837222	EPA 6010	837499
50397565002	**MW-25I**	EPA 3010	837222	EPA 6010	837499
50397565003	**MW-25S**	EPA 3010	837222	EPA 6010	837499
50397565004	**DUP 6**	EPA 3010	837222	EPA 6010	837499
50397565001	**MW-25D**	EPA 3010	837346	EPA 6010	837688
50397565002	**MW-25I**	EPA 3010	837346	EPA 6010	837688
50397565003	**MW-25S**	EPA 3010	837346	EPA 6010	837688
50397565004	**DUP 6**	EPA 3010	837346	EPA 6010	837688
50397565001	**MW-25D**	EPA 200.2	837243	EPA 6020	837430
50397565002	**MW-25I**	EPA 200.2	837243	EPA 6020	837430
50397565003	**MW-25S**	EPA 200.2	837243	EPA 6020	837430
50397565004	**DUP 6**	EPA 200.2	837243	EPA 6020	837430
50397565001	**MW-25D**	EPA 7470	837818	EPA 7470	837902
50397565002	**MW-25I**	EPA 7470	837818	EPA 7470	837902
50397565003	**MW-25S**	EPA 7470	837818	EPA 7470	837902
50397565004	**DUP 6**	EPA 7470	837818	EPA 7470	837902
50397565001	**MW-25D**	EPA 903.1	737542		
50397565002	**MW-25I**	EPA 903.1	737542		
50397565003	**MW-25S**	EPA 903.1	737542		
50397565004	**DUP 6**	EPA 903.1	737542		
50397565001	**MW-25D**	EPA 904.0	737544		
50397565002	**MW-25I**	EPA 904.0	737544		
50397565003	**MW-25S**	EPA 904.0	737544		
50397565004	**DUP 6**	EPA 904.0	737544		
50397565001	**MW-25D**	Total Radium Calculation	740620		
50397565002	**MW-25I**	Total Radium Calculation	740620		
50397565003	**MW-25S**	Total Radium Calculation	740620		
50397565004	**DUP 6**	Total Radium Calculation	740620		
50397565001	**MW-25D**	SM 2320B	838116		
50397565002	**MW-25I**	SM 2320B	838299		
50397565003	**MW-25S**	SM 2320B	838299		
50397565004	**DUP 6**	SM 2320B	838299		
50397565001	**MW-25D**	SM 2540C	837135		
50397565002	**MW-25I**	SM 2540C	837135		
50397565003	**MW-25S**	SM 2540C	837329		
50397565004	**DUP 6**	SM 2540C	837329		
50397565001	**MW-25D**	SM 4500-H+B	837778		
50397565002	**MW-25I**	SM 4500-H+B	837778		
50397565003	**MW-25S**	SM 4500-H+B	837778		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397565

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397565004	**DUP 6**	SM 4500-H+B	837778		
50397565001	**MW-25D**	EPA 353.2	837210		
50397565002	**MW-25I**	EPA 353.2	837210		
50397565003	**MW-25S**	EPA 353.2	837210		
50397565004	**DUP 6**	EPA 353.2	837210		
50397565001	**MW-25D**	SM 5310C	837449		
50397565002	**MW-25I**	SM 5310C	837449		
50397565003	**MW-25S**	SM 5310C	837449		
50397565004	**DUP 6**	SM 5310C	837449		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50397565

50397565

Affix Pace Label Here

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [✓] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA		Sample Comment	Preservation non-conformance identified for sample.
MW-25D					4/1/25	10:43	9			X	X	X	X	X	X	X	X	X		001	
MW-25I						12:05	9			X	X	X	X	X	X	X	X	X		002	
MW-25S						13:16	9			X	X	X	X	X	X	X	X	X		003	
DUP-6					↓	00:00	9			X	X	X	X	X	X	X	X	X		004	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Amanda Gaines
AcctNum / Client ID:
Table #:
Profile / Template: 10498/69
Prelog / Bottle Ord. ID: EZ 3239337

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) MARK BRETING
Signature: Mark Breting

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	B	-.5	see sour		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Mark Breting / ATLAS	4-1-25 1600	Myllah Bertram / ATLAS	4-1-25 1600	
Myllah Bertram / ATLAS	4-1-25 1705	[illegible] / Pace	4/1/25 17:05	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/1/25 11:32 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A (B) C D E F G H I

2. Cooler Temperature(s): 2.0/1.5 | 1.3/0.8 | | | (Initial/Corrected)

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis: 353.2 Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: ~~HNO3 (<2)~~ ~~H2SO4 (<2)~~ **NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
			SBS																												Red	Yellow	Green	Black
			DI		VOA																													
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit					HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	2	2	1	1									WT				
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic
NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Dear Mr. Breting:

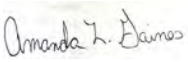
Enclosed are the analytical results for sample(s) received by the laboratory on April 03, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50397775001	**MW-16S**	Water	04/03/25 14:39	04/03/25 17:45
50397775002	**MW-16I**	Water	04/03/25 13:26	04/03/25 17:45
50397775003	**MW-16D**	Water	04/03/25 11:24	04/03/25 17:45

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50397775001	**MW-16S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397775002	**MW-16I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397775003	**MW-16D**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397775001	**MW-16S**					
EPA 9056	Chloride	136	mg/L	2.5	04/08/25 02:45	
EPA 9056	Fluoride	0.30	mg/L	0.10	04/08/25 02:28	
EPA 9056	Sulfate	121	mg/L	2.5	04/08/25 02:45	
EPA 6010	Boron	221	ug/L	100	04/09/25 23:09	
EPA 6010	Calcium	80100	ug/L	1000	04/09/25 23:09	
EPA 6010	Lithium	30.4	ug/L	20.0	04/09/25 23:09	
EPA 6010	Magnesium	21000	ug/L	1000	04/09/25 23:09	
EPA 6010	Manganese	429	ug/L	10.0	04/09/25 23:09	
EPA 6010	Molybdenum	88.3	ug/L	10.0	04/09/25 23:09	
EPA 6010	Potassium	6820	ug/L	1000	04/09/25 23:09	
EPA 6010	Sodium	113000	ug/L	1000	04/09/25 23:09	
EPA 6010	Molybdenum, Dissolved	83.6	ug/L	10.0	04/09/25 03:00	
EPA 6020	Barium	71.3	ug/L	1.0	04/06/25 01:57	
EPA 903.1	Radium-226	0.0490 ± 0.372 (0.735) C:NA T:95%	pCi/L		04/21/25 14:53	
EPA 904.0	Radium-228	0.962 ± 0.386 (0.601) C:84% T:94%	pCi/L		04/14/25 12:13	
Total Radium Calculation	Total Radium	1.01 ± 0.758 (1.34)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	256	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	256	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	646	mg/L	10.0	04/07/25 11:23	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/07/25 10:56	H3
EPA 353.2	Nitrogen, Nitrate	1.6	mg/L	0.10	04/04/25 13:14	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/07/25 16:28	
50397775002	**MW-16I**					
EPA 9056	Chloride	128	mg/L	2.5	04/08/25 03:36	
EPA 9056	Fluoride	0.25	mg/L	0.10	04/08/25 03:19	
EPA 9056	Sulfate	112	mg/L	2.5	04/08/25 03:36	
EPA 6010	Boron	147	ug/L	100	04/09/25 23:04	
EPA 6010	Calcium	84000	ug/L	1000	04/09/25 23:04	
EPA 6010	Lithium	44.9	ug/L	20.0	04/09/25 23:04	
EPA 6010	Magnesium	25300	ug/L	1000	04/09/25 23:04	
EPA 6010	Manganese	96.7	ug/L	10.0	04/09/25 23:04	
EPA 6010	Molybdenum	95.0	ug/L	10.0	04/09/25 23:04	
EPA 6010	Potassium	7400	ug/L	1000	04/09/25 23:04	
EPA 6010	Sodium	85300	ug/L	1000	04/09/25 23:04	
EPA 6010	Molybdenum, Dissolved	91.3	ug/L	10.0	04/09/25 03:02	
EPA 6020	Barium	80.4	ug/L	1.0	04/06/25 02:01	
EPA 903.1	Radium-226	0.912 ± 0.807 (1.26) C:NA T:88%	pCi/L		04/21/25 14:53	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397775002	**MW-16I**					
EPA 904.0	Radium-228	0.360 ± 0.295 (0.581) C:81% T:85%	pCi/L		04/14/25 12:13	
Total Radium Calculation	Total Radium	1.27 ± 1.10 (1.84)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	254	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	254	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	592	mg/L	10.0	04/07/25 11:23	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/07/25 10:58	H3
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	04/07/25 17:03	
50397775003	**MW-16D**					
EPA 9056	Chloride	50.7	mg/L	2.5	04/08/25 04:10	
EPA 9056	Fluoride	0.28	mg/L	0.10	04/08/25 03:53	
EPA 9056	Sulfate	46.5	mg/L	0.25	04/08/25 03:53	
EPA 6010	Boron	107	ug/L	100	04/09/25 23:07	
EPA 6010	Calcium	69200	ug/L	1000	04/09/25 23:07	
EPA 6010	Iron	1010	ug/L	100	04/09/25 23:07	
EPA 6010	Lithium	24.1	ug/L	20.0	04/09/25 23:07	
EPA 6010	Magnesium	19500	ug/L	1000	04/09/25 23:07	
EPA 6010	Manganese	155	ug/L	10.0	04/09/25 23:07	
EPA 6010	Molybdenum	30.9	ug/L	10.0	04/09/25 23:07	
EPA 6010	Potassium	6450	ug/L	1000	04/09/25 23:07	
EPA 6010	Sodium	52700	ug/L	1000	04/09/25 23:07	
EPA 6010	Molybdenum, Dissolved	30.5	ug/L	10.0	04/09/25 03:04	
EPA 6020	Arsenic	4.3	ug/L	1.0	04/06/25 02:05	
EPA 6020	Barium	74.2	ug/L	1.0	04/06/25 02:05	
EPA 903.1	Radium-226	0.653 ± 0.554 (0.837) C:NA T:88%	pCi/L		04/21/25 14:53	
EPA 904.0	Radium-228	1.29 ± 0.444 (0.575) C:74% T:89%	pCi/L		04/14/25 12:13	
Total Radium Calculation	Total Radium	1.94 ± 0.998 (1.41)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	270	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	248	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Carbonate (CaCO3)	21.6	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	392	mg/L	10.0	04/07/25 11:23	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/07/25 10:59	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16S **Lab ID: 50397775001** Collected: 04/03/25 14:39 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**136**	mg/L	2.5	1.3	10		04/08/25 02:45	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.016	1		04/08/25 02:28	16984-48-8	
Sulfate	**121**	mg/L	2.5	1.9	10		04/08/25 02:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**221**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:09	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:09	7440-43-9	
Calcium	**80100**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:09	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:09	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:09	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:09	7439-92-1	
Lithium	**30.4**	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:09	7439-93-2	
Magnesium	**21000**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:09	7439-95-4	
Manganese	**429**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:09	7439-96-5	
Molybdenum	**88.3**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:09	7439-98-7	
Potassium	**6820**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:09	7440-09-7	
Sodium	**113000**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**83.6**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:00	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 01:57	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 01:57	7440-38-2	
Barium	**71.3**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 01:57	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 01:57	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 01:57	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 01:57	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 01:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:44	04/08/25 20:32	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**256**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**256**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16S **Lab ID: 50397775001** Collected: 04/03/25 14:39 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**646**	mg/L	10.0	10.0	1		04/07/25 11:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/07/25 10:56		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.6**	mg/L	0.10	0.013	1		04/04/25 13:14	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/07/25 16:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16I **Lab ID: 50397775002** Collected: 04/03/25 13:26 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**128**	mg/L	2.5	1.3	10		04/08/25 03:36	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.016	1		04/08/25 03:19	16984-48-8	
Sulfate	**112**	mg/L	2.5	1.9	10		04/08/25 03:36	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**147**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:04	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:04	7440-43-9	
Calcium	**84000**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:04	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:04	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:04	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:04	7439-92-1	
Lithium	**44.9**	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:04	7439-93-2	
Magnesium	**25300**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:04	7439-95-4	
Manganese	**96.7**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:04	7439-96-5	
Molybdenum	**95.0**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:04	7439-98-7	
Potassium	**7400**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:04	7440-09-7	
Sodium	**85300**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:04	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**91.3**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:02	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:01	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:01	7440-38-2	
Barium	**80.4**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:01	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:01	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:01	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:01	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:44	04/08/25 20:35	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**254**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**254**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16I **Lab ID: 50397775002** Collected: 04/03/25 13:26 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**592**	mg/L	10.0	10.0	1		04/07/25 11:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/07/25 10:58		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/04/25 13:07	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.30	1		04/07/25 17:03		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16D **Lab ID: 50397775003** Collected: 04/03/25 11:24 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**50.7**	mg/L	2.5	1.3	10		04/08/25 04:10	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.016	1		04/08/25 03:53	16984-48-8	
Sulfate	**46.5**	mg/L	0.25	0.19	1		04/08/25 03:53	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**107**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:07	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:07	7440-43-9	
Calcium	**69200**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:07	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:07	7440-47-3	
Iron	**1010**	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:07	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:07	7439-92-1	
Lithium	**24.1**	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:07	7439-93-2	
Magnesium	**19500**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:07	7439-95-4	
Manganese	**155**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:07	7439-96-5	
Molybdenum	**30.9**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:07	7439-98-7	
Potassium	**6450**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:07	7440-09-7	
Sodium	**52700**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:07	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**30.5**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:04	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:05	7440-36-0	
Arsenic	**4.3**	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:05	7440-38-2	
Barium	**74.2**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:05	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:05	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:05	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:05	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:05	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:44	04/08/25 20:37	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**270**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**248**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	**21.6**	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16D **Lab ID: 50397775003** Collected: 04/03/25 11:24 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**392**	mg/L	10.0	10.0	1		04/07/25 11:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/07/25 10:59		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/04/25 12:56	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/07/25 17:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837605
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3833008 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/07/25 10:26	
Fluoride	mg/L	ND	0.10	0.016	04/07/25 10:26	
Sulfate	mg/L	ND	0.25	0.19	04/07/25 10:26	

LABORATORY CONTROL SAMPLE: 3833009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	0.98	98	80-120	
Sulfate	mg/L	5	5.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3833010 3833011

Parameter	Units	50397563003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	189	25	25	208	209	75	80	80-120	1	15	M0
Fluoride	mg/L	0.27	1	1	1.3	1.3	98	98	80-120	0	15	
Sulfate	mg/L	289	50	50	326	330	74	82	80-120	1	15	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837948
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3834498 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/08/25 19:28	

LABORATORY CONTROL SAMPLE: 3834499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834500 3834501

Parameter	Units	50397771009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.00020 mg/L	5	5	5.0	5.0	99	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837497
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3832471 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/09/25 22:39	
Cadmium	ug/L	ND	2.0	0.46	04/09/25 22:39	
Calcium	ug/L	ND	1000	83.9	04/09/25 22:39	
Chromium	ug/L	ND	10.0	0.96	04/09/25 22:39	
Iron	ug/L	ND	100	41.0	04/09/25 22:39	
Lead	ug/L	ND	10.0	2.0	04/09/25 22:39	
Lithium	ug/L	ND	20.0	3.8	04/09/25 22:39	
Magnesium	ug/L	ND	1000	53.7	04/09/25 22:39	
Manganese	ug/L	ND	10.0	0.77	04/09/25 22:39	
Molybdenum	ug/L	ND	10.0	1.4	04/09/25 22:39	
Potassium	ug/L	ND	1000	113	04/09/25 22:39	
Sodium	ug/L	ND	1000	95.0	04/09/25 22:39	

LABORATORY CONTROL SAMPLE: 3832472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	974	97	80-120	
Cadmium	ug/L	1000	984	98	80-120	
Calcium	ug/L	10000	10000	100	80-120	
Chromium	ug/L	1000	983	98	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	962	96	80-120	
Lithium	ug/L	1000	983	98	80-120	
Magnesium	ug/L	10000	9860	99	80-120	
Manganese	ug/L	1000	972	97	80-120	
Molybdenum	ug/L	1000	1050	105	80-120	
Potassium	ug/L	10000	9700	97	80-120	
Sodium	ug/L	10000	9790	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832473 3832474

Parameter	Units	50397775001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	221	1000	1000	1210	1240	99	102	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	966	982	97	98	75-125	2	20	
Calcium	ug/L	80100	10000	10000	89000	91700	88	116	75-125	3	20	
Chromium	ug/L	ND	1000	1000	964	983	96	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832473 3832474

Parameter	Units	50397775001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9940	10100	99	101	75-125	2	20	
Lead	ug/L	ND	1000	1000	917	929	92	93	75-125	1	20	
Lithium	ug/L	30.4	1000	1000	967	983	94	95	75-125	2	20	
Magnesium	ug/L	21000	10000	10000	30300	31200	93	101	75-125	3	20	
Manganese	ug/L	429	1000	1000	1370	1400	94	97	75-125	2	20	
Molybdenum	ug/L	88.3	1000	1000	1130	1150	104	106	75-125	2	20	
Potassium	ug/L	6820	10000	10000	16300	16500	95	97	75-125	1	20	
Sodium	ug/L	113000	10000	10000	122000	125000	84	115	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837904
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3834373 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/09/25 02:55	

LABORATORY CONTROL SAMPLE: 3834374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	979	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834375 3834376

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	989	1020	99	102	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837513
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3832661 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/06/25 01:13	
Arsenic	ug/L	ND	1.0	0.080	04/06/25 01:13	
Barium	ug/L	ND	1.0	0.11	04/06/25 01:13	
Beryllium	ug/L	ND	0.20	0.026	04/06/25 01:13	
Cobalt	ug/L	ND	1.0	0.045	04/06/25 01:13	
Selenium	ug/L	ND	1.0	0.26	04/06/25 01:13	
Thallium	ug/L	ND	1.0	0.052	04/06/25 01:13	

LABORATORY CONTROL SAMPLE: 3832662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.1	100	80-120	
Arsenic	ug/L	40	39.9	100	80-120	
Barium	ug/L	40	39.8	100	80-120	
Beryllium	ug/L	40	39.3	98	80-120	
Cobalt	ug/L	40	41.2	103	80-120	
Selenium	ug/L	40	43.5	109	80-120	
Thallium	ug/L	40	42.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832663 3832664

Parameter	Units	50397741003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.0	40.7	100	101	75-125	2	20	
Arsenic	ug/L	ND	40	40	43.5	42.5	101	98	75-125	2	20	
Barium	ug/L	45.8	40	40	87.6	87.8	104	105	75-125	0	20	
Beryllium	ug/L	ND	40	40	40.2	41.0	100	102	75-125	2	20	
Cobalt	ug/L	19.5	40	40	60.3	61.1	102	104	75-125	1	20	
Selenium	ug/L	ND	40	40	43.0	40.9	106	100	75-125	5	20	
Thallium	ug/L	ND	40	40	40.6	41.0	101	102	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 838503
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3837100 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/11/25 10:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/11/25 10:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/11/25 10:36	

LABORATORY CONTROL SAMPLE: 3837101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.7	107	90-110	

SAMPLE DUPLICATE: 3837102

Parameter	Units	50397775002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	254	248	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	254	248	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3837103

Parameter	Units	50397775003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	270	271	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	248	246	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	21.6	24.8	14	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837779
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3833971 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/07/25 11:18	

LABORATORY CONTROL SAMPLE: 3833972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 3833974

Parameter	Units	50397892002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5730	6600	14	10	R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837780
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

SAMPLE DUPLICATE: 3833975

Parameter	Units	50397734001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.1	1	2	H3

SAMPLE DUPLICATE: 3833976

Parameter	Units	50397906003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837569
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3832836 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/04/25 12:45	

LABORATORY CONTROL SAMPLE: 3832837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832838 3832839

Parameter	Units	50397777005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.17	1	1	1.2	1.2	108	107	90-110	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 837621 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3833065 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/07/25 13:49	

LABORATORY CONTROL SAMPLE: 3833066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834362 3834363

Parameter	Units	50397775001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.3	15	15	16.3	16.2	100	99	80-120	1	15	

MATRIX SPIKE SAMPLE: 3834364

Parameter	Units	50397775002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.4	15	16.3	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16S **Lab ID: 50397775001** Collected: 04/03/25 14:39 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0490 ± 0.372 (0.735) C:NA T:95%**	pCi/L	04/21/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.962 ± 0.386 (0.601) C:84% T:94%**	pCi/L	04/14/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.01 ± 0.758 (1.34)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16I **Lab ID: 50397775002** Collected: 04/03/25 13:26 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.912 ± 0.807 (1.26) C:NA T:88%**	pCi/L	04/21/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.360 ± 0.295 (0.581) C:81% T:85%**	pCi/L	04/14/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.27 ± 1.10 (1.84)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Sample: MW-16D **Lab ID: 50397775003** Collected: 04/03/25 11:24 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.653 ± 0.554 (0.837) C:NA T:88%**	pCi/L	04/21/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.29 ± 0.444 (0.575) C:74% T:89%**	pCi/L	04/14/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.94 ± 0.998 (1.41)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 738678
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3595304 Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.181 (0.293) C:NA T:95%	pCi/L	04/21/25 14:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

QC Batch: 738680
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397775001, 50397775002, 50397775003

METHOD BLANK: 3595309
Matrix: Water
Associated Lab Samples: 50397775001, 50397775002, 50397775003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.398 ± 0.322 (0.638) C:77% T:89%	pCi/L	04/14/25 12:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50397775

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397775001	**MW-16S**	EPA 9056	837605		
50397775002	**MW-16I**	EPA 9056	837605		
50397775003	**MW-16D**	EPA 9056	837605		
50397775001	**MW-16S**	EPA 3010	837497	EPA 6010	838285
50397775002	**MW-16I**	EPA 3010	837497	EPA 6010	838285
50397775003	**MW-16D**	EPA 3010	837497	EPA 6010	838285
50397775001	**MW-16S**	EPA 3010	837904	EPA 6010	838112
50397775002	**MW-16I**	EPA 3010	837904	EPA 6010	838112
50397775003	**MW-16D**	EPA 3010	837904	EPA 6010	838112
50397775001	**MW-16S**	EPA 200.2	837513	EPA 6020	837733
50397775002	**MW-16I**	EPA 200.2	837513	EPA 6020	837733
50397775003	**MW-16D**	EPA 200.2	837513	EPA 6020	837733
50397775001	**MW-16S**	EPA 7470	837948	EPA 7470	838092
50397775002	**MW-16I**	EPA 7470	837948	EPA 7470	838092
50397775003	**MW-16D**	EPA 7470	837948	EPA 7470	838092
50397775001	**MW-16S**	EPA 903.1	738678		
50397775002	**MW-16I**	EPA 903.1	738678		
50397775003	**MW-16D**	EPA 903.1	738678		
50397775001	**MW-16S**	EPA 904.0	738680		
50397775002	**MW-16I**	EPA 904.0	738680		
50397775003	**MW-16D**	EPA 904.0	738680		
50397775001	**MW-16S**	Total Radium Calculation	741149		
50397775002	**MW-16I**	Total Radium Calculation	741149		
50397775003	**MW-16D**	Total Radium Calculation	741149		
50397775001	**MW-16S**	SM 2320B	838503		
50397775002	**MW-16I**	SM 2320B	838503		
50397775003	**MW-16D**	SM 2320B	838503		
50397775001	**MW-16S**	SM 2540C	837779		
50397775002	**MW-16I**	SM 2540C	837779		
50397775003	**MW-16D**	SM 2540C	837779		
50397775001	**MW-16S**	SM 4500-H+B	837780		
50397775002	**MW-16I**	SM 4500-H+B	837780		
50397775003	**MW-16D**	SM 4500-H+B	837780		
50397775001	**MW-16S**	EPA 353.2	837569		
50397775002	**MW-16I**	EPA 353.2	837569		
50397775003	**MW-16D**	EPA 353.2	837569		
50397775001	**MW-16S**	SM 5310C	837621		
50397775002	**MW-16I**	SM 5310C	837621		
50397775003	**MW-16D**	SM 5310C	837621		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50397775

50397775

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA		Sample Comment
MW-16D					4/3/2025	11:24	9			X	X	X	X	X	X	X	X	X	X	003
MW-16I					↓	13:26	9			X	X	X	X	X	X	X	X	X	X	002
MW-16S					↓	14:39	9			X	X	X	X	X	X	X	X	X	X	001

Lab Use Only

Proj. Mgr: **Amanda Gaines**

AcctNum / Client ID:

Table #:

Profile / Template: **10498/69**

Prelog / Bottle Ord. ID: **EZ 3239337**

Preservation non-conformance identified for sample.

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) MARK Breting
Signature: Mark Breting

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2.1	A	0.0	3.8	3.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Mark Breting / ATLAS	4/3/25 1622	Aaron Dray / ATLAS	4/3/25 1622	
Aaron Dray / ATLAS	4/3/25 1745	AA / Pace	4/3/25 17:45	Delivered by: [ ] In-Person [ ] Courier
				[ ] FedEX [ ] UPS [ ] Other
				Page: 5 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/3/25 18:12 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 (A) B C D E F G H I	**3. Packing Material:** Bubble Wrap (Bubble Bags) None Other _____
2. Cooler Temperature(s): (Initial/Corrected) 3.8/3.8	**4. Ice Type:** (Wet) Blue None
RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)	

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes No

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) (H2SO4 (<2)) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	—		
Short Hold Time Analysis (48 hours or less)? **Analysis:** 353.2	—					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A —
Rush TAT Requested (4 days or less):		—	Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Custody Signatures Present?	—		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Containers Intact?:	—		Trip Blank Present?		—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—		Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER CG3H	CG3F	Syringe Kit			Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																														HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1	2	1	1									WT	✓	✓		
2												↓				↓	↓	↓	↓	↓									↓	↓	↓		
3												↓				↓	↓	↓	↓	↓									↓	↓	↓		
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Dear Mr. Breting:

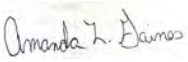
Enclosed are the analytical results for sample(s) received by the laboratory on April 03, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50397777001	**MW-11I**	Water	04/03/25 13:35	04/03/25 17:45
50397777002	**MW-11S**	Water	04/03/25 11:53	04/03/25 17:45
50397777003	**MW-26S**	Water	04/03/25 15:40	04/03/25 17:45
50397777004	**MW-26I**	Water	04/03/25 13:22	04/03/25 17:45
50397777005	**MW-26D**	Water	04/03/25 11:30	04/03/25 17:45
50397777006	**DUP 3**	Water	04/03/25 08:00	04/03/25 17:45
50397777007	**DUP 4**	Water	04/03/25 08:00	04/03/25 17:45

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50397777001	**MW-11I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397777002	**MW-11S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397777003	**MW-26S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397777004	**MW-26I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397777005	**MW-26D**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397777006	**DUP 3**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397777007	**DUP 4**	EPA 9056	MTW	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397777001	**MW-11I**					
EPA 9056	Chloride	106	mg/L	2.5	04/08/25 18:39	
EPA 9056	Fluoride	0.43	mg/L	0.10	04/07/25 23:22	
EPA 9056	Sulfate	89.3	mg/L	2.5	04/08/25 18:39	
EPA 6010	Boron	538	ug/L	100	04/09/25 23:24	
EPA 6010	Calcium	74600	ug/L	1000	04/09/25 23:24	
EPA 6010	Iron	292	ug/L	100	04/09/25 23:24	
EPA 6010	Lithium	95.6	ug/L	20.0	04/09/25 23:24	
EPA 6010	Magnesium	23800	ug/L	1000	04/09/25 23:24	
EPA 6010	Manganese	297	ug/L	10.0	04/09/25 23:24	
EPA 6010	Molybdenum	117	ug/L	10.0	04/09/25 23:24	
EPA 6010	Potassium	8470	ug/L	1000	04/09/25 23:24	
EPA 6010	Sodium	75700	ug/L	1000	04/09/25 23:24	
EPA 6010	Molybdenum, Dissolved	111	ug/L	10.0	04/09/25 03:06	
EPA 6020	Arsenic	1.8	ug/L	1.0	04/06/25 02:09	
EPA 6020	Barium	58.4	ug/L	1.0	04/06/25 02:09	
EPA 903.1	Radium-226	0.986 ± 0.782 (1.21) C:NA T:92%	pCi/L		04/21/25 14:53	
EPA 904.0	Radium-228	0.449 ± 0.352 (0.693) C:76% T:86%	pCi/L		04/14/25 12:13	
Total Radium Calculation	Total Radium	1.44 ± 1.13 (1.90)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	227	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	227	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	515	mg/L	10.0	04/07/25 11:23	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/07/25 11:00	H3
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	04/07/25 17:54	
50397777002	**MW-11S**					
EPA 9056	Chloride	108	mg/L	2.5	04/08/25 18:56	
EPA 9056	Fluoride	0.20	mg/L	0.10	04/07/25 23:56	
EPA 9056	Sulfate	127	mg/L	2.5	04/08/25 18:56	
EPA 6010	Boron	998	ug/L	100	04/09/25 23:26	
EPA 6010	Calcium	122000	ug/L	1000	04/09/25 23:26	
EPA 6010	Lithium	82.2	ug/L	20.0	04/09/25 23:26	
EPA 6010	Magnesium	31700	ug/L	1000	04/09/25 23:26	
EPA 6010	Molybdenum	32.8	ug/L	10.0	04/09/25 23:26	
EPA 6010	Potassium	8480	ug/L	1000	04/09/25 23:26	
EPA 6010	Sodium	83300	ug/L	1000	04/09/25 23:26	
EPA 6010	Molybdenum, Dissolved	30.5	ug/L	10.0	04/09/25 03:08	
EPA 6020	Antimony	1.4	ug/L	1.0	04/06/25 02:12	
EPA 6020	Arsenic	44.6	ug/L	1.0	04/06/25 02:12	
EPA 6020	Barium	114	ug/L	1.0	04/06/25 02:12	
EPA 6020	Selenium	12.0	ug/L	1.0	04/06/25 02:12	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397777002	**MW-11S**					
EPA 903.1	Radium-226	0.191 ± 0.620 (1.12) C:NA T:92%	pCi/L		04/21/25 14:53	
EPA 904.0	Radium-228	0.758 ± 0.353 (0.586) C:80% T:92%	pCi/L		04/14/25 12:13	
Total Radium Calculation	Total Radium	0.949 ± 0.973 (1.71)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	351	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	351	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	693	mg/L	10.0	04/07/25 11:23	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	04/07/25 11:03	H3
EPA 353.2	Nitrogen, Nitrate	0.67	mg/L	0.10	04/04/25 13:03	
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	04/07/25 18:05	
50397777003	**MW-26S**					
EPA 9056	Chloride	327	mg/L	25.0	04/08/25 02:14	
EPA 9056	Fluoride	0.42	mg/L	0.10	04/08/25 01:39	
EPA 9056	Sulfate	971	mg/L	25.0	04/08/25 02:14	
EPA 6010	Boron	3010	ug/L	100	04/09/25 23:28	
EPA 6010	Calcium	300000	ug/L	2000	04/09/25 23:45	
EPA 6010	Lithium	99.9	ug/L	20.0	04/09/25 23:28	
EPA 6010	Magnesium	71100	ug/L	1000	04/09/25 23:28	
EPA 6010	Manganese	1590	ug/L	10.0	04/09/25 23:28	
EPA 6010	Molybdenum	199	ug/L	10.0	04/09/25 23:28	
EPA 6010	Potassium	17200	ug/L	1000	04/09/25 23:28	
EPA 6010	Sodium	256000	ug/L	2000	04/09/25 23:45	
EPA 6010	Molybdenum, Dissolved	193	ug/L	10.0	04/09/25 03:10	
EPA 6020	Barium	37.9	ug/L	1.0	04/06/25 02:24	
EPA 6020	Cobalt	2.4	ug/L	1.0	04/06/25 02:24	
EPA 903.1	Radium-226	0.151 ± 0.567 (1.04) C:NA T:92%	pCi/L		04/21/25 15:06	
EPA 904.0	Radium-228	0.579 ± 0.302 (0.521) C:88% T:89%	pCi/L		04/14/25 12:13	
Total Radium Calculation	Total Radium	0.730 ± 0.869 (1.56)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	232	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	232	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	2090	mg/L	40.0	04/07/25 11:24	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/07/25 11:05	H3
SM 5310C	Dissolved Organic Carbon	4.4	mg/L	4.0	04/08/25 11:43	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397777004	**MW-26I**					
EPA 9056	Chloride	162	mg/L	2.5	04/08/25 19:13	
EPA 9056	Fluoride	0.39	mg/L	0.10	04/08/25 00:31	
EPA 9056	Sulfate	133	mg/L	2.5	04/08/25 19:13	
EPA 6010	Boron	106	ug/L	100	04/09/25 23:30	
EPA 6010	Calcium	89400	ug/L	1000	04/09/25 23:30	
EPA 6010	Magnesium	27500	ug/L	1000	04/09/25 23:30	
EPA 6010	Manganese	25.5	ug/L	10.0	04/09/25 23:30	
EPA 6010	Molybdenum	29.7	ug/L	10.0	04/09/25 23:30	
EPA 6010	Potassium	5590	ug/L	1000	04/09/25 23:30	
EPA 6010	Sodium	101000	ug/L	1000	04/09/25 23:30	
EPA 6010	Molybdenum, Dissolved	28.3	ug/L	10.0	04/09/25 03:13	
EPA 6020	Barium	97.0	ug/L	1.0	04/06/25 02:28	
EPA 903.1	Radium-226	0.149 ± 0.350 (0.649) C:NA T:91%	pCi/L		04/21/25 15:06	
EPA 904.0	Radium-228	0.227 ± 0.290 (0.615) C:80% T:89%	pCi/L		04/14/25 12:14	
Total Radium Calculation	Total Radium	0.376 ± 0.640 (1.26)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	208	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	208	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	671	mg/L	10.0	04/07/25 11:24	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/07/25 11:06	H3
EPA 353.2	Nitrogen, Nitrate	2.1	mg/L	0.10	04/04/25 13:05	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/07/25 19:00	
50397777005	**MW-26D**					
EPA 9056	Chloride	92.8	mg/L	2.5	04/08/25 02:48	
EPA 9056	Sulfate	67.1	mg/L	2.5	04/08/25 02:48	
EPA 6010	Calcium	119000	ug/L	1000	04/09/25 23:32	
EPA 6010	Magnesium	31400	ug/L	1000	04/09/25 23:32	
EPA 6010	Manganese	62.8	ug/L	10.0	04/09/25 23:32	
EPA 6010	Molybdenum	20.8	ug/L	10.0	04/09/25 23:32	
EPA 6010	Potassium	3180	ug/L	1000	04/09/25 23:32	
EPA 6010	Sodium	38600	ug/L	1000	04/09/25 23:32	
EPA 6010	Molybdenum, Dissolved	19.3	ug/L	10.0	04/09/25 03:15	
EPA 6020	Barium	117	ug/L	1.0	04/06/25 02:32	
EPA 903.1	Radium-226	0.551 ± 0.409 (0.512) C:NA T:89%	pCi/L		04/21/25 15:06	
EPA 904.0	Radium-228	1.42 ± 0.517 (0.793) C:82% T:91%	pCi/L		04/14/25 12:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397777005	**MW-26D**					
Total Radium Calculation	Total Radium	1.97 ± 0.926 (1.31)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	325	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	325	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	543	mg/L	10.0	04/07/25 11:24	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/07/25 11:07	H3
EPA 353.2	Nitrogen, Nitrate	0.17	mg/L	0.10	04/04/25 12:58	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/07/25 19:11	
50397777006	**DUP 3**					
EPA 9056	Chloride	109	mg/L	2.5	04/08/25 03:57	
EPA 9056	Fluoride	0.43	mg/L	0.10	04/08/25 03:40	
EPA 9056	Sulfate	93.4	mg/L	2.5	04/08/25 03:57	
EPA 6010	Boron	530	ug/L	100	04/09/25 23:34	
EPA 6010	Calcium	73300	ug/L	1000	04/09/25 23:34	
EPA 6010	Iron	273	ug/L	100	04/09/25 23:34	
EPA 6010	Lithium	87.7	ug/L	20.0	04/09/25 23:34	
EPA 6010	Magnesium	23300	ug/L	1000	04/09/25 23:34	
EPA 6010	Manganese	291	ug/L	10.0	04/09/25 23:34	
EPA 6010	Molybdenum	116	ug/L	10.0	04/09/25 23:34	
EPA 6010	Potassium	8230	ug/L	1000	04/09/25 23:34	
EPA 6010	Sodium	74000	ug/L	1000	04/09/25 23:34	
EPA 6010	Molybdenum, Dissolved	110	ug/L	10.0	04/09/25 03:21	
EPA 6020	Arsenic	1.9	ug/L	1.0	04/06/25 02:36	
EPA 6020	Barium	62.3	ug/L	1.0	04/06/25 02:36	
EPA 903.1	Radium-226	0.643 ± 0.530 (0.800) C:NA T:98%	pCi/L		04/21/25 15:06	
EPA 904.0	Radium-228	1.10 ± 0.461 (0.761) C:80% T:92%	pCi/L		04/14/25 12:14	
Total Radium Calculation	Total Radium	1.74 ± 0.991 (1.56)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	227	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	227	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	520	mg/L	10.0	04/07/25 11:24	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/07/25 11:08	H3
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	04/07/25 19:22	
50397777007	**DUP 4**					
EPA 9056	Chloride	93.1	mg/L	2.5	04/08/25 05:23	
EPA 9056	Sulfate	66.6	mg/L	2.5	04/08/25 05:23	
EPA 6010	Calcium	117000	ug/L	1000	04/09/25 23:36	
EPA 6010	Magnesium	30800	ug/L	1000	04/09/25 23:36	
EPA 6010	Manganese	61.7	ug/L	10.0	04/09/25 23:36	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397777007	**DUP 4**					
EPA 6010	Molybdenum	20.8	ug/L	10.0	04/09/25 23:36	
EPA 6010	Potassium	3080	ug/L	1000	04/09/25 23:36	
EPA 6010	Sodium	38200	ug/L	1000	04/09/25 23:36	
EPA 6010	Molybdenum, Dissolved	20.3	ug/L	10.0	04/09/25 03:24	
EPA 6020	Barium	119	ug/L	1.0	04/06/25 02:40	
EPA 903.1	Radium-226	0.626 ± 0.874 (1.48) C:NA T:90%	pCi/L		04/21/25 15:06	
EPA 904.0	Radium-228	1.28 ± 0.537 (0.887) C:74% T:88%	pCi/L		04/14/25 12:14	
Total Radium Calculation	Total Radium	1.91 ± 1.41 (2.37)	pCi/L		04/22/25 10:53	
SM 2320B	Alkalinity, Total as CaCO3	320	mg/L	10.0	04/11/25 10:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	320	mg/L	10.0	04/11/25 10:36	
SM 2540C	Total Dissolved Solids	547	mg/L	10.0	04/07/25 11:25	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/07/25 11:08	H3
EPA 353.2	Nitrogen, Nitrate	0.17	mg/L	0.10	04/04/25 13:18	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/07/25 19:32	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-11I **Lab ID: 50397777001** Collected: 04/03/25 13:35 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**106**	mg/L	2.5	1.3	10		04/08/25 18:39	16887-00-6	
Fluoride	**0.43**	mg/L	0.10	0.016	1		04/07/25 23:22	16984-48-8	
Sulfate	**89.3**	mg/L	2.5	1.9	10		04/08/25 18:39	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**538**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:24	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:24	7440-43-9	
Calcium	**74600**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:24	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:24	7440-47-3	
Iron	**292**	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:24	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:24	7439-92-1	
Lithium	**95.6**	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:24	7439-93-2	
Magnesium	**23800**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:24	7439-95-4	
Manganese	**297**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:24	7439-96-5	
Molybdenum	**117**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:24	7439-98-7	
Potassium	**8470**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:24	7440-09-7	
Sodium	**75700**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:24	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**111**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:06	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:09	7440-36-0	
Arsenic	**1.8**	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:09	7440-38-2	
Barium	**58.4**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:09	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:09	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:09	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:09	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:37	04/08/25 18:59	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**227**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**227**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-11I **Lab ID: 50397777001** Collected: 04/03/25 13:35 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**515**	mg/L	10.0	10.0	1		04/07/25 11:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/07/25 11:00		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/04/25 13:09	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.30	1		04/07/25 17:54		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-11S **Lab ID: 50397777002** Collected: 04/03/25 11:53 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**108**	mg/L	2.5	1.3	10		04/08/25 18:56	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.016	1		04/07/25 23:56	16984-48-8	
Sulfate	**127**	mg/L	2.5	1.9	10		04/08/25 18:56	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**998**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:26	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:26	7440-43-9	
Calcium	**122000**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:26	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:26	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:26	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:26	7439-92-1	
Lithium	**82.2**	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:26	7439-93-2	
Magnesium	**31700**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:26	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:26	7439-96-5	
Molybdenum	**32.8**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:26	7439-98-7	
Potassium	**8480**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:26	7440-09-7	
Sodium	**83300**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:26	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**30.5**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:08	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**1.4**	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:12	7440-36-0	
Arsenic	**44.6**	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:12	7440-38-2	
Barium	**114**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:12	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:12	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:12	7440-48-4	
Selenium	**12.0**	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:12	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:37	04/08/25 19:01	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**351**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**351**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-11S **Lab ID: 50397777002** Collected: 04/03/25 11:53 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**693**	mg/L	10.0	10.0	1		04/07/25 11:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		04/07/25 11:03		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.67**	mg/L	0.10	0.013	1		04/04/25 13:03	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.7**	mg/L	1.0	0.30	1		04/07/25 18:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26S **Lab ID: 50397777003** Collected: 04/03/25 15:40 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**327**	mg/L	25.0	13.0	100		04/08/25 02:14	16887-00-6	
Fluoride	**0.42**	mg/L	0.10	0.016	1		04/08/25 01:39	16984-48-8	
Sulfate	**971**	mg/L	25.0	19.0	100		04/08/25 02:14	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3010**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:28	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:28	7440-43-9	
Calcium	**300000**	ug/L	2000	168	2	04/07/25 16:33	04/09/25 23:45	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:28	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:28	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:28	7439-92-1	
Lithium	**99.9**	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:28	7439-93-2	
Magnesium	**71100**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:28	7439-95-4	
Manganese	**1590**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:28	7439-96-5	
Molybdenum	**199**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:28	7439-98-7	
Potassium	**17200**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:28	7440-09-7	
Sodium	**256000**	ug/L	2000	190	2	04/07/25 16:33	04/09/25 23:45	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**193**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:10	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:24	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:24	7440-38-2	
Barium	**37.9**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:24	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:24	7440-41-7	
Cobalt	**2.4**	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:24	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:37	04/08/25 19:04	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**232**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**232**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26S **Lab ID: 50397777003** Collected: 04/03/25 15:40 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**2090**	mg/L	40.0	40.0	1		04/07/25 11:24		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/07/25 11:05		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/04/25 13:16	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.4**	mg/L	4.0	1.2	4		04/08/25 11:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26I **Lab ID: 50397777004** Collected: 04/03/25 13:22 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**162**	mg/L	2.5	1.3	10		04/08/25 19:13	16887-00-6	
Fluoride	**0.39**	mg/L	0.10	0.016	1		04/08/25 00:31	16984-48-8	
Sulfate	**133**	mg/L	2.5	1.9	10		04/08/25 19:13	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**106**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:30	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:30	7440-43-9	
Calcium	**89400**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:30	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:30	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:30	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:30	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:30	7439-93-2	
Magnesium	**27500**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:30	7439-95-4	
Manganese	**25.5**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:30	7439-96-5	
Molybdenum	**29.7**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:30	7439-98-7	
Potassium	**5590**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:30	7440-09-7	
Sodium	**101000**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:30	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**28.3**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:13	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:28	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:28	7440-38-2	
Barium	**97.0**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:28	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:28	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:28	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:37	04/08/25 19:06	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**208**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**208**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26I **Lab ID: 50397777004** Collected: 04/03/25 13:22 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**671**	mg/L	10.0	10.0	1		04/07/25 11:24		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/07/25 11:06		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.1**	mg/L	0.10	0.013	1		04/04/25 13:05	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/07/25 19:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26D **Lab ID: 50397777005** Collected: 04/03/25 11:30 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**92.8**	mg/L	2.5	1.3	10		04/08/25 02:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/08/25 02:31	16984-48-8	
Sulfate	**67.1**	mg/L	2.5	1.9	10		04/08/25 02:48	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:32	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:32	7440-43-9	
Calcium	**119000**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:32	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:32	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:32	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:32	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:32	7439-93-2	
Magnesium	**31400**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:32	7439-95-4	
Manganese	**62.8**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:32	7439-96-5	
Molybdenum	**20.8**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:32	7439-98-7	
Potassium	**3180**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:32	7440-09-7	
Sodium	**38600**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:32	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**19.3**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:15	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:32	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:32	7440-38-2	
Barium	**117**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:32	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:32	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:32	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:37	04/08/25 19:14	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**325**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**325**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26D **Lab ID: 50397777005** Collected: 04/03/25 11:30 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**543**	mg/L	10.0	10.0	1		04/07/25 11:24		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/07/25 11:07		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.17**	mg/L	0.10	0.013	1		04/04/25 12:58	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/07/25 19:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: DUP 3 **Lab ID: 50397777006** Collected: 04/03/25 08:00 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**109**	mg/L	2.5	1.3	10		04/08/25 03:57	16887-00-6	
Fluoride	**0.43**	mg/L	0.10	0.016	1		04/08/25 03:40	16984-48-8	
Sulfate	**93.4**	mg/L	2.5	1.9	10		04/08/25 03:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**530**	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:34	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:34	7440-43-9	
Calcium	**73300**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:34	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:34	7440-47-3	
Iron	**273**	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:34	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:34	7439-92-1	
Lithium	**87.7**	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:34	7439-93-2	
Magnesium	**23300**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:34	7439-95-4	
Manganese	**291**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:34	7439-96-5	
Molybdenum	**116**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:34	7439-98-7	
Potassium	**8230**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:34	7440-09-7	
Sodium	**74000**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**110**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:21	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:36	7440-36-0	
Arsenic	**1.9**	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:36	7440-38-2	
Barium	**62.3**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:36	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:36	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:36	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:36	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:37	04/08/25 19:23	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**227**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**227**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: DUP 3 **Lab ID: 50397777006** Collected: 04/03/25 08:00 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**520**	mg/L	10.0	10.0	1		04/07/25 11:24		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/07/25 11:08		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/04/25 12:52	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.30	1		04/07/25 19:22		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: DUP 4 **Lab ID: 50397777007** Collected: 04/03/25 08:00 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**93.1**	mg/L	2.5	1.3	10		04/08/25 05:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/08/25 05:05	16984-48-8	
Sulfate	**66.6**	mg/L	2.5	1.9	10		04/08/25 05:23	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/07/25 16:33	04/09/25 23:36	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/09/25 23:36	7440-43-9	
Calcium	**117000**	ug/L	1000	83.9	1	04/07/25 16:33	04/09/25 23:36	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/09/25 23:36	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/09/25 23:36	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/09/25 23:36	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/07/25 16:33	04/09/25 23:36	7439-93-2	
Magnesium	**30800**	ug/L	1000	53.7	1	04/07/25 16:33	04/09/25 23:36	7439-95-4	
Manganese	**61.7**	ug/L	10.0	0.77	1	04/07/25 16:33	04/09/25 23:36	7439-96-5	
Molybdenum	**20.8**	ug/L	10.0	1.4	1	04/07/25 16:33	04/09/25 23:36	7439-98-7	
Potassium	**3080**	ug/L	1000	113	1	04/07/25 16:33	04/09/25 23:36	7440-09-7	
Sodium	**38200**	ug/L	1000	95.0	1	04/07/25 16:33	04/09/25 23:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**20.3**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:24	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/05/25 15:12	04/06/25 02:40	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/05/25 15:12	04/06/25 02:40	7440-38-2	
Barium	**119**	ug/L	1.0	0.11	1	04/05/25 15:12	04/06/25 02:40	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/05/25 15:12	04/06/25 02:40	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/05/25 15:12	04/06/25 02:40	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/05/25 15:12	04/06/25 02:40	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/05/25 15:12	04/06/25 02:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/08/25 10:37	04/08/25 19:26	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**320**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Bicarbonate (CaCO3)	**320**	mg/L	10.0	10.0	1		04/11/25 10:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/11/25 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: DUP 4 **Lab ID: 50397777007** Collected: 04/03/25 08:00 Received: 04/03/25 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**547**	mg/L	10.0	10.0	1		04/07/25 11:25		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/07/25 11:08		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.17**	mg/L	0.10	0.013	1		04/04/25 13:18	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/07/25 19:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837831
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3834105 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/07/25 09:43	
Fluoride	mg/L	ND	0.10	0.016	04/07/25 09:43	
Sulfate	mg/L	ND	0.25	0.19	04/07/25 09:43	

LABORATORY CONTROL SAMPLE: 3834106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	100	80-120	
Fluoride	mg/L	1	1.1	106	80-120	
Sulfate	mg/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834107 3834108

Parameter	Units	50397892002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2490	250	250	2540	2540	20	20	80-120	0	15	E
Fluoride	mg/L	0.84	1	1	1.8	1.8	93	94	80-120	1	15	
Sulfate	mg/L	79.5	50	50	126	126	93	93	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837947 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3834491 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/08/25 18:22	

LABORATORY CONTROL SAMPLE: 3834492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834493 3834494

Parameter	Units	50397777004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	5.0	96	99	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837497
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3832471 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/09/25 22:39	
Cadmium	ug/L	ND	2.0	0.46	04/09/25 22:39	
Calcium	ug/L	ND	1000	83.9	04/09/25 22:39	
Chromium	ug/L	ND	10.0	0.96	04/09/25 22:39	
Iron	ug/L	ND	100	41.0	04/09/25 22:39	
Lead	ug/L	ND	10.0	2.0	04/09/25 22:39	
Lithium	ug/L	ND	20.0	3.8	04/09/25 22:39	
Magnesium	ug/L	ND	1000	53.7	04/09/25 22:39	
Manganese	ug/L	ND	10.0	0.77	04/09/25 22:39	
Molybdenum	ug/L	ND	10.0	1.4	04/09/25 22:39	
Potassium	ug/L	ND	1000	113	04/09/25 22:39	
Sodium	ug/L	ND	1000	95.0	04/09/25 22:39	

LABORATORY CONTROL SAMPLE: 3832472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	974	97	80-120	
Cadmium	ug/L	1000	984	98	80-120	
Calcium	ug/L	10000	10000	100	80-120	
Chromium	ug/L	1000	983	98	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	962	96	80-120	
Lithium	ug/L	1000	983	98	80-120	
Magnesium	ug/L	10000	9860	99	80-120	
Manganese	ug/L	1000	972	97	80-120	
Molybdenum	ug/L	1000	1050	105	80-120	
Potassium	ug/L	10000	9700	97	80-120	
Sodium	ug/L	10000	9790	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832473 3832474

Parameter	Units	50397775001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	221	1000	1000	1210	1240	99	102	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	966	982	97	98	75-125	2	20	
Calcium	ug/L	80100	10000	10000	89000	91700	88	116	75-125	3	20	
Chromium	ug/L	ND	1000	1000	964	983	96	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832473 3832474

Parameter	Units	50397775001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9940	10100	99	101	75-125	2	20	
Lead	ug/L	ND	1000	1000	917	929	92	93	75-125	1	20	
Lithium	ug/L	30.4	1000	1000	967	983	94	95	75-125	2	20	
Magnesium	ug/L	21000	10000	10000	30300	31200	93	101	75-125	3	20	
Manganese	ug/L	429	1000	1000	1370	1400	94	97	75-125	2	20	
Molybdenum	ug/L	88.3	1000	1000	1130	1150	104	106	75-125	2	20	
Potassium	ug/L	6820	10000	10000	16300	16500	95	97	75-125	1	20	
Sodium	ug/L	113000	10000	10000	122000	125000	84	115	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837904 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3834373 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/09/25 02:55	

LABORATORY CONTROL SAMPLE: 3834374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	979	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834375 3834376

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	989	1020	99	102	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837513
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3832661 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/06/25 01:13	
Arsenic	ug/L	ND	1.0	0.080	04/06/25 01:13	
Barium	ug/L	ND	1.0	0.11	04/06/25 01:13	
Beryllium	ug/L	ND	0.20	0.026	04/06/25 01:13	
Cobalt	ug/L	ND	1.0	0.045	04/06/25 01:13	
Selenium	ug/L	ND	1.0	0.26	04/06/25 01:13	
Thallium	ug/L	ND	1.0	0.052	04/06/25 01:13	

LABORATORY CONTROL SAMPLE: 3832662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.1	100	80-120	
Arsenic	ug/L	40	39.9	100	80-120	
Barium	ug/L	40	39.8	100	80-120	
Beryllium	ug/L	40	39.3	98	80-120	
Cobalt	ug/L	40	41.2	103	80-120	
Selenium	ug/L	40	43.5	109	80-120	
Thallium	ug/L	40	42.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832663 3832664

Parameter	Units	50397741003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.0	40.7	100	101	75-125	2	20	
Arsenic	ug/L	ND	40	40	43.5	42.5	101	98	75-125	2	20	
Barium	ug/L	45.8	40	40	87.6	87.8	104	105	75-125	0	20	
Beryllium	ug/L	ND	40	40	40.2	41.0	100	102	75-125	2	20	
Cobalt	ug/L	19.5	40	40	60.3	61.1	102	104	75-125	1	20	
Selenium	ug/L	ND	40	40	43.0	40.9	106	100	75-125	5	20	
Thallium	ug/L	ND	40	40	40.6	41.0	101	102	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 838503 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3837100 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/11/25 10:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/11/25 10:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/11/25 10:36	

LABORATORY CONTROL SAMPLE: 3837101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.7	107	90-110	

SAMPLE DUPLICATE: 3837102

Parameter	Units	50397775002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	254	248	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	254	248	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3837103

Parameter	Units	50397775003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	270	271	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	248	246	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	21.6	24.8	14	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837779 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3833971 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/07/25 11:18	

LABORATORY CONTROL SAMPLE: 3833972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 3833974

Parameter	Units	50397892002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5730	6600	14	10	R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837780
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

SAMPLE DUPLICATE: 3833975

Parameter	Units	50397734001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.1	1	2	H3

SAMPLE DUPLICATE: 3833976

Parameter	Units	50397906003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837569 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3832836 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/04/25 12:45	

LABORATORY CONTROL SAMPLE: 3832837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3832838 3832839

Parameter	Units	50397777005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.17	1	1	1.2	1.2	108	107	90-110	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 837621 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3833065 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/07/25 13:49	

LABORATORY CONTROL SAMPLE: 3833066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834362 3834363

Parameter	Units	50397775001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.3	15	15	16.3	16.2	100	99	80-120	1	15	

MATRIX SPIKE SAMPLE: 3834364

Parameter	Units	50397775002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.4	15	16.3	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-11I **Lab ID: 50397777001** Collected: 04/03/25 13:35 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.986 ± 0.782 (1.21) C:NA T:92%**	pCi/L	04/21/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.449 ± 0.352 (0.693) C:76% T:86%**	pCi/L	04/14/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.44 ± 1.13 (1.90)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-11S **Lab ID: 50397777002** Collected: 04/03/25 11:53 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.191 ± 0.620 (1.12) C:NA T:92%**	pCi/L	04/21/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.758 ± 0.353 (0.586) C:80% T:92%**	pCi/L	04/14/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.949 ± 0.973 (1.71)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26S **Lab ID: 50397777003** Collected: 04/03/25 15:40 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.151 ± 0.567 (1.04) C:NA T:92%**	pCi/L	04/21/25 15:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.579 ± 0.302 (0.521) C:88% T:89%**	pCi/L	04/14/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.730 ± 0.869 (1.56)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26I **Lab ID: 50397777004** Collected: 04/03/25 13:22 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.149 ± 0.350 (0.649) C:NA T:91%**	pCi/L	04/21/25 15:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.227 ± 0.290 (0.615) C:80% T:89%**	pCi/L	04/14/25 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.376 ± 0.640 (1.26)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: MW-26D **Lab ID: 50397777005** Collected: 04/03/25 11:30 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.551 ± 0.409 (0.512) C:NA T:89%**	pCi/L	04/21/25 15:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.42 ± 0.517 (0.793) C:82% T:91%**	pCi/L	04/14/25 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.97 ± 0.926 (1.31)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: DUP 3 **Lab ID: 50397777006** Collected: 04/03/25 08:00 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.643 ± 0.530 (0.800) C:NA T:98%**	pCi/L	04/21/25 15:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.10 ± 0.461 (0.761) C:80% T:92%**	pCi/L	04/14/25 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.74 ± 0.991 (1.56)**	pCi/L	04/22/25 10:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Sample: DUP 4 **Lab ID: 50397777007** Collected: 04/03/25 08:00 Received: 04/03/25 17:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.626 ± 0.874 (1.48) C:NA T:90%**	pCi/L	04/21/25 15:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.28 ± 0.537 (0.887) C:74% T:88%**	pCi/L	04/14/25 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.91 ± 1.41 (2.37)**	pCi/L	04/22/25 10:53	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 738678 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3595304 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.181 (0.293) C:NA T:95%	pCi/L	04/21/25 14:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

QC Batch: 738680 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

METHOD BLANK: 3595309 Matrix: Water
Associated Lab Samples: 50397777001, 50397777002, 50397777003, 50397777004, 50397777005, 50397777006, 50397777007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.398 ± 0.322 (0.638) C:77% T:89%	pCi/L	04/14/25 12:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397777001	**MW-11I**	EPA 9056	837831		
50397777002	**MW-11S**	EPA 9056	837831		
50397777003	**MW-26S**	EPA 9056	837831		
50397777004	**MW-26I**	EPA 9056	837831		
50397777005	**MW-26D**	EPA 9056	837831		
50397777006	**DUP 3**	EPA 9056	837831		
50397777007	**DUP 4**	EPA 9056	837831		
50397777001	**MW-11I**	EPA 3010	837497	EPA 6010	838285
50397777002	**MW-11S**	EPA 3010	837497	EPA 6010	838285
50397777003	**MW-26S**	EPA 3010	837497	EPA 6010	838285
50397777004	**MW-26I**	EPA 3010	837497	EPA 6010	838285
50397777005	**MW-26D**	EPA 3010	837497	EPA 6010	838285
50397777006	**DUP 3**	EPA 3010	837497	EPA 6010	838285
50397777007	**DUP 4**	EPA 3010	837497	EPA 6010	838285
50397777001	**MW-11I**	EPA 3010	837904	EPA 6010	838112
50397777002	**MW-11S**	EPA 3010	837904	EPA 6010	838112
50397777003	**MW-26S**	EPA 3010	837904	EPA 6010	838112
50397777004	**MW-26I**	EPA 3010	837904	EPA 6010	838112
50397777005	**MW-26D**	EPA 3010	837904	EPA 6010	838112
50397777006	**DUP 3**	EPA 3010	837904	EPA 6010	838112
50397777007	**DUP 4**	EPA 3010	837904	EPA 6010	838112
50397777001	**MW-11I**	EPA 200.2	837513	EPA 6020	837733
50397777002	**MW-11S**	EPA 200.2	837513	EPA 6020	837733
50397777003	**MW-26S**	EPA 200.2	837513	EPA 6020	837733
50397777004	**MW-26I**	EPA 200.2	837513	EPA 6020	837733
50397777005	**MW-26D**	EPA 200.2	837513	EPA 6020	837733
50397777006	**DUP 3**	EPA 200.2	837513	EPA 6020	837733
50397777007	**DUP 4**	EPA 200.2	837513	EPA 6020	837733
50397777001	**MW-11I**	EPA 7470	837947	EPA 7470	838091
50397777002	**MW-11S**	EPA 7470	837947	EPA 7470	838091
50397777003	**MW-26S**	EPA 7470	837947	EPA 7470	838091
50397777004	**MW-26I**	EPA 7470	837947	EPA 7470	838091
50397777005	**MW-26D**	EPA 7470	837947	EPA 7470	838091
50397777006	**DUP 3**	EPA 7470	837947	EPA 7470	838091
50397777007	**DUP 4**	EPA 7470	837947	EPA 7470	838091
50397777001	**MW-11I**	EPA 903.1	738678		
50397777002	**MW-11S**	EPA 903.1	738678		
50397777003	**MW-26S**	EPA 903.1	738678		
50397777004	**MW-26I**	EPA 903.1	738678		
50397777005	**MW-26D**	EPA 903.1	738678		
50397777006	**DUP 3**	EPA 903.1	738678		
50397777007	**DUP 4**	EPA 903.1	738678		
50397777001	**MW-11I**	EPA 904.0	738680		
50397777002	**MW-11S**	EPA 904.0	738680		
50397777003	**MW-26S**	EPA 904.0	738680		
50397777004	**MW-26I**	EPA 904.0	738680		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397777

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397777005	**MW-26D**	EPA 904.0	738680		
50397777006	**DUP 3**	EPA 904.0	738680		
50397777007	**DUP 4**	EPA 904.0	738680		
50397777001	**MW-11I**	Total Radium Calculation	741149		
50397777002	**MW-11S**	Total Radium Calculation	741149		
50397777003	**MW-26S**	Total Radium Calculation	741149		
50397777004	**MW-26I**	Total Radium Calculation	741149		
50397777005	**MW-26D**	Total Radium Calculation	741149		
50397777006	**DUP 3**	Total Radium Calculation	741149		
50397777007	**DUP 4**	Total Radium Calculation	741149		
50397777001	**MW-11I**	SM 2320B	838503		
50397777002	**MW-11S**	SM 2320B	838503		
50397777003	**MW-26S**	SM 2320B	838503		
50397777004	**MW-26I**	SM 2320B	838503		
50397777005	**MW-26D**	SM 2320B	838503		
50397777006	**DUP 3**	SM 2320B	838503		
50397777007	**DUP 4**	SM 2320B	838503		
50397777001	**MW-11I**	SM 2540C	837779		
50397777002	**MW-11S**	SM 2540C	837779		
50397777003	**MW-26S**	SM 2540C	837779		
50397777004	**MW-26I**	SM 2540C	837779		
50397777005	**MW-26D**	SM 2540C	837779		
50397777006	**DUP 3**	SM 2540C	837779		
50397777007	**DUP 4**	SM 2540C	837779		
50397777001	**MW-11I**	SM 4500-H+B	837780		
50397777002	**MW-11S**	SM 4500-H+B	837780		
50397777003	**MW-26S**	SM 4500-H+B	837780		
50397777004	**MW-26I**	SM 4500-H+B	837780		
50397777005	**MW-26D**	SM 4500-H+B	837780		
50397777006	**DUP 3**	SM 4500-H+B	837780		
50397777007	**DUP 4**	SM 4500-H+B	837780		
50397777001	**MW-11I**	EPA 353.2	837569		
50397777002	**MW-11S**	EPA 353.2	837569		
50397777003	**MW-26S**	EPA 353.2	837569		
50397777004	**MW-26I**	EPA 353.2	837569		
50397777005	**MW-26D**	EPA 353.2	837569		
50397777006	**DUP 3**	EPA 353.2	837569		
50397777007	**DUP 4**	EPA 353.2	837569		
50397777001	**MW-11I**	SM 5310C	837621		
50397777002	**MW-11S**	SM 5310C	837621		
50397777003	**MW-26S**	SM 5310C	837621		
50397777004	**MW-26I**	SM 5310C	837621		
50397777005	**MW-26D**	SM 5310C	837621		
50397777006	**DUP 3**	SM 5310C	837621		
50397777007	**DUP 4**	SM 5310C	837621		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50397777

50397777

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[✓] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units
MW-11I					4-3-25	1335	9		
MW-11S						1153			
MW-26S						1540			
MW-26I						1322			
MW-26D						1130			
DUP-3						—			
DUP-4						—			

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP, 8020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA
X	X	X	X	X	X	X	X	X
↓	↓		↓	↓	↓	↓	↓	↓

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3238786

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on Ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mikah Bertram Aaron Day
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	A	0.0	see scur		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS/Aaron Day	4-3-25 / 1745	Pace	4/3/25 17:45	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/3/25 18:12 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 (A) B C D E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 4.9/4.9 | 1.6/1.6 | 3.0/3.0 |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** (HNO3 (<2)) (H2SO4 (<2)) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	—		
Short Hold Time Analysis (48 hours or less)? **Analysis:** 353.2	—					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	~~N/A~~
Rush TAT Requested (4 days or less):		—	Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Custody Signatures Present?	—		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Containers Intact?:	—		Trip Blank Present?		—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—		Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC										OTHER					Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
			SBS																															
			DI																															
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit						HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1	2	1	1										WT	✓	✓		
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Dear Mr. Breting:

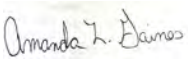
Enclosed are the analytical results for sample(s) received by the laboratory on April 04, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50397906001	**MW-10S**	Water	04/04/25 12:14	04/04/25 15:09
50397906002	**MW-10I**	Water	04/04/25 10:58	04/04/25 15:09
50397906003	**MW-13S**	Water	04/04/25 10:20	04/04/25 15:09
50397906004	**MW-13S MS**	Water	04/04/25 10:20	04/04/25 15:09
50397906005	**MW-13S MSD**	Water	04/04/25 10:20	04/04/25 15:09
50397906006	**MW-13I**	Water	04/04/25 11:42	04/04/25 15:09
50397906007	**DUP 2**	Water	04/04/25 08:00	04/04/25 15:09

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50397906001	**MW-10S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397906002	**MW-10I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397906003	**MW-13S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397906004	**MW-13S MS**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50397906005	**MW-13S MSD**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50397906006	**MW-13I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50397906007	**DUP 2**	EPA 9056	MTW	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397906001	**MW-10S**					
EPA 9056	Chloride	93.7	mg/L	2.5	04/08/25 22:42	
EPA 9056	Fluoride	0.19	mg/L	0.10	04/08/25 22:25	
EPA 9056	Sulfate	371	mg/L	2.5	04/08/25 22:42	
EPA 6010	Boron	4850	ug/L	100	04/11/25 08:51	
EPA 6010	Calcium	190000	ug/L	1000	04/11/25 08:51	
EPA 6010	Lithium	95.3	ug/L	20.0	04/11/25 08:51	
EPA 6010	Magnesium	47000	ug/L	1000	04/11/25 08:51	
EPA 6010	Molybdenum	49.5	ug/L	10.0	04/11/25 08:51	
EPA 6010	Potassium	8300	ug/L	1000	04/11/25 08:51	
EPA 6010	Sodium	75800	ug/L	1000	04/11/25 08:51	
EPA 6010	Molybdenum, Dissolved	49.4	ug/L	10.0	04/09/25 03:26	
EPA 6020	Antimony	2.2	ug/L	1.0	04/09/25 06:10	
EPA 6020	Barium	72.4	ug/L	1.0	04/09/25 06:10	
EPA 6020	Selenium	21.9	ug/L	1.0	04/09/25 06:10	
EPA 903.1	Radium-226	0.426 ± 0.678 (1.17) C:NA T:94%	pCi/L		04/24/25 15:46	
EPA 904.0	Radium-228	0.747 ± 0.428 (0.803) C:82% T:91%	pCi/L		04/24/25 10:58	
Total Radium Calculation	Total Radium	1.17 ± 1.11 (1.97)	pCi/L		04/25/25 11:16	
SM 2320B	Alkalinity, Total as CaCO3	375	mg/L	10.0	04/14/25 10:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	375	mg/L	10.0	04/14/25 10:51	
SM 2540C	Total Dissolved Solids	996	mg/L	20.0	04/07/25 11:30	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	04/07/25 11:09	H3
EPA 353.2	Nitrogen, Nitrate	0.26	mg/L	0.10	04/05/25 12:33	
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	04/09/25 04:43	
50397906002	**MW-10I**					
EPA 9056	Chloride	209	mg/L	2.5	04/08/25 23:33	
EPA 9056	Fluoride	0.26	mg/L	0.10	04/08/25 23:16	
EPA 9056	Sulfate	524	mg/L	25.0	04/08/25 23:50	
EPA 6010	Boron	1630	ug/L	100	04/11/25 08:53	
EPA 6010	Calcium	196000	ug/L	1000	04/11/25 08:53	
EPA 6010	Lithium	58.4	ug/L	20.0	04/11/25 08:53	
EPA 6010	Magnesium	52000	ug/L	1000	04/11/25 08:53	
EPA 6010	Manganese	82.4	ug/L	10.0	04/11/25 08:53	
EPA 6010	Molybdenum	121	ug/L	10.0	04/11/25 08:53	
EPA 6010	Potassium	10100	ug/L	1000	04/11/25 08:53	
EPA 6010	Sodium	146000	ug/L	1000	04/11/25 08:53	
EPA 6010	Molybdenum, Dissolved	119	ug/L	10.0	04/09/25 03:28	
EPA 6020	Barium	40.8	ug/L	1.0	04/09/25 06:14	
EPA 903.1	Radium-226	1.07 ± 0.645 (0.845) C:NA T:91%	pCi/L		04/24/25 15:46	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397906002	**MW-10I**					
EPA 904.0	Radium-228	1.00 ± 0.523 (0.965) C:79% T:83%	pCi/L		04/24/25 10:57	
Total Radium Calculation	Total Radium	2.07 ± 1.17 (1.81)	pCi/L		04/25/25 11:16	
SM 2320B	Alkalinity, Total as CaCO3	279	mg/L	10.0	04/14/25 10:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	279	mg/L	10.0	04/14/25 10:51	
SM 2540C	Total Dissolved Solids	1300	mg/L	20.0	04/07/25 11:30	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/07/25 11:12	H3
EPA 353.2	Nitrogen, Nitrate	0.19	mg/L	0.10	04/05/25 12:28	
SM 5310C	Dissolved Organic Carbon	3.2	mg/L	3.0	04/09/25 16:30	
50397906003	**MW-13S**					
EPA 9056	Chloride	24.9	mg/L	2.5	04/10/25 05:29	
EPA 9056	Sulfate	15.4	mg/L	0.25	04/09/25 00:40	
EPA 6010	Calcium	92100	ug/L	1000	04/11/25 08:55	
EPA 6010	Magnesium	24400	ug/L	1000	04/11/25 08:55	
EPA 6010	Potassium	3080	ug/L	1000	04/11/25 08:55	
EPA 6010	Sodium	28500	ug/L	1000	04/11/25 08:55	
EPA 6020	Barium	46.2	ug/L	1.0	04/09/25 06:34	
EPA 903.1	Radium-226	0.0396 ± 0.485 (0.910) C:NA T:93%	pCi/L		04/24/25 15:36	
EPA 904.0	Radium-228	0.453 ± 0.377 (0.759) C:80% T:84%	pCi/L		04/24/25 10:58	
Total Radium Calculation	Total Radium	0.493 ± 0.862 (1.67)	pCi/L		04/25/25 11:16	
SM 2320B	Alkalinity, Total as CaCO3	357	mg/L	10.0	04/14/25 10:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	357	mg/L	10.0	04/14/25 10:51	
SM 2540C	Total Dissolved Solids	446	mg/L	10.0	04/07/25 11:31	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/07/25 11:13	H3
EPA 353.2	Nitrogen, Nitrate	7.4	mg/L	0.50	04/05/25 12:22	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/08/25 19:11	
50397906004	**MW-13S MS**					
EPA 903.1	Radium-226	77.45 %REC ± NA (NA) C:NA T:NA	pCi/L		04/24/25 15:36	
EPA 904.0	Radium-228	103.43 %REC ± NA (NA) C:NA T:NA	pCi/L		04/24/25 10:58	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397906005	**MW-13S MSD**					
EPA 903.1	Radium-226	81.34 %REC 4.90RPD ± NA (NA) C:NA T:NA	pCi/L		04/24/25 15:36	
EPA 904.0	Radium-228	94.38 %REC 9.15RPD ± NA (NA) C:NA T:NA	pCi/L		04/24/25 10:59	
50397906006	**MW-13I**					
EPA 9056	Chloride	21.2	mg/L	2.5	04/09/25 04:02	
EPA 9056	Sulfate	24.5	mg/L	0.25	04/09/25 03:45	
EPA 6010	Calcium	69600	ug/L	1000	04/11/25 09:11	
EPA 6010	Magnesium	19000	ug/L	1000	04/11/25 09:11	
EPA 6010	Potassium	1980	ug/L	1000	04/11/25 09:11	
EPA 6010	Sodium	22600	ug/L	1000	04/11/25 09:11	
EPA 6020	Barium	30.2	ug/L	1.0	04/09/25 06:18	
EPA 903.1	Radium-226	0.221 ± 0.508 (0.920) C:NA T:91%	pCi/L		04/24/25 15:46	
EPA 904.0	Radium-228	1.37 ± 0.703 (1.28) C:62% T:77%	pCi/L		04/24/25 10:58	
Total Radium Calculation	Total Radium	1.59 ± 1.21 (2.20)	pCi/L		04/25/25 11:16	
SM 2320B	Alkalinity, Total as CaCO3	244	mg/L	10.0	04/14/25 10:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	244	mg/L	10.0	04/14/25 10:51	
SM 2540C	Total Dissolved Solids	310	mg/L	10.0	04/07/25 11:31	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/07/25 11:17	H3
EPA 353.2	Nitrogen, Nitrate	2.3	mg/L	0.10	04/05/25 12:30	
50397906007	**DUP 2**					
EPA 9056	Chloride	93.7	mg/L	2.5	04/09/25 04:36	
EPA 9056	Fluoride	0.21	mg/L	0.10	04/09/25 04:19	
EPA 9056	Sulfate	367	mg/L	2.5	04/09/25 04:36	
EPA 6010	Boron	4880	ug/L	100	04/11/25 09:13	
EPA 6010	Calcium	190000	ug/L	1000	04/11/25 09:13	
EPA 6010	Lithium	96.9	ug/L	20.0	04/11/25 09:13	
EPA 6010	Magnesium	47000	ug/L	1000	04/11/25 09:13	
EPA 6010	Molybdenum	49.2	ug/L	10.0	04/11/25 09:13	
EPA 6010	Potassium	8380	ug/L	1000	04/11/25 09:13	
EPA 6010	Sodium	75700	ug/L	1000	04/11/25 09:13	
EPA 6010	Molybdenum, Dissolved	48.7	ug/L	10.0	04/09/25 03:47	
EPA 6020	Antimony	2.2	ug/L	1.0	04/09/25 06:22	
EPA 6020	Barium	71.2	ug/L	1.0	04/09/25 06:22	
EPA 6020	Selenium	22.9	ug/L	1.0	04/09/25 06:22	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50397906007	**DUP 2**					
EPA 903.1	Radium-226	1.56 ± 0.594 (0.145) C:NA T:96%	pCi/L		04/24/25 15:36	
EPA 904.0	Radium-228	1.14 ± 0.500 (0.854) C:79% T:89%	pCi/L		04/24/25 10:57	
Total Radium Calculation	Total Radium	2.70 ± 1.09 (0.999)	pCi/L		04/25/25 11:16	
SM 2320B	Alkalinity, Total as CaCO3	377	mg/L	10.0	04/14/25 10:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	377	mg/L	10.0	04/14/25 10:51	
SM 2540C	Total Dissolved Solids	1020	mg/L	20.0	04/07/25 11:32	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	04/07/25 11:18	H3
EPA 353.2	Nitrogen, Nitrate	0.26	mg/L	0.10	04/05/25 12:20	
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	1.0	04/08/25 19:58	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-10S **Lab ID: 50397906001** Collected: 04/04/25 12:14 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**93.7**	mg/L	2.5	1.3	10		04/08/25 22:42	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.016	1		04/08/25 22:25	16984-48-8	
Sulfate	**371**	mg/L	2.5	1.9	10		04/08/25 22:42	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4850**	ug/L	100	5.6	1	04/07/25 16:33	04/11/25 08:51	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/11/25 08:51	7440-43-9	
Calcium	**190000**	ug/L	1000	83.9	1	04/07/25 16:33	04/11/25 08:51	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/11/25 08:51	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/11/25 08:51	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/11/25 08:51	7439-92-1	
Lithium	**95.3**	ug/L	20.0	3.8	1	04/07/25 16:33	04/11/25 08:51	7439-93-2	
Magnesium	**47000**	ug/L	1000	53.7	1	04/07/25 16:33	04/11/25 08:51	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/07/25 16:33	04/11/25 08:51	7439-96-5	
Molybdenum	**49.5**	ug/L	10.0	1.4	1	04/07/25 16:33	04/11/25 08:51	7439-98-7	
Potassium	**8300**	ug/L	1000	113	1	04/07/25 16:33	04/11/25 08:51	7440-09-7	
Sodium	**75800**	ug/L	1000	95.0	1	04/07/25 16:33	04/11/25 08:51	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**49.4**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:26	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**2.2**	ug/L	1.0	0.19	1	04/08/25 15:13	04/09/25 06:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/08/25 15:13	04/09/25 06:10	7440-38-2	
Barium	**72.4**	ug/L	1.0	0.11	1	04/08/25 15:13	04/09/25 06:10	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/08/25 15:13	04/09/25 06:10	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/08/25 15:13	04/09/25 06:10	7440-48-4	
Selenium	**21.9**	ug/L	1.0	0.26	1	04/08/25 15:13	04/09/25 06:10	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/08/25 15:13	04/09/25 06:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/14/25 12:11	04/14/25 21:10	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**375**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Bicarbonate (CaCO3)	**375**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/14/25 10:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-10S **Lab ID: 50397906001** Collected: 04/04/25 12:14 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**996**	mg/L	20.0	20.0	1		04/07/25 11:30		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		04/07/25 11:09		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.26**	mg/L	0.10	0.013	1		04/05/25 12:33	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.30	1		04/09/25 04:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-10I **Lab ID: 50397906002** Collected: 04/04/25 10:58 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**209**	mg/L	2.5	1.3	10		04/08/25 23:33	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.016	1		04/08/25 23:16	16984-48-8	
Sulfate	**524**	mg/L	25.0	19.0	100		04/08/25 23:50	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1630**	ug/L	100	5.6	1	04/07/25 16:33	04/11/25 08:53	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/11/25 08:53	7440-43-9	
Calcium	**196000**	ug/L	1000	83.9	1	04/07/25 16:33	04/11/25 08:53	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/11/25 08:53	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/11/25 08:53	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/11/25 08:53	7439-92-1	
Lithium	**58.4**	ug/L	20.0	3.8	1	04/07/25 16:33	04/11/25 08:53	7439-93-2	
Magnesium	**52000**	ug/L	1000	53.7	1	04/07/25 16:33	04/11/25 08:53	7439-95-4	
Manganese	**82.4**	ug/L	10.0	0.77	1	04/07/25 16:33	04/11/25 08:53	7439-96-5	
Molybdenum	**121**	ug/L	10.0	1.4	1	04/07/25 16:33	04/11/25 08:53	7439-98-7	
Potassium	**10100**	ug/L	1000	113	1	04/07/25 16:33	04/11/25 08:53	7440-09-7	
Sodium	**146000**	ug/L	1000	95.0	1	04/07/25 16:33	04/11/25 08:53	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**119**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:28	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/08/25 15:13	04/09/25 06:14	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/08/25 15:13	04/09/25 06:14	7440-38-2	
Barium	**40.8**	ug/L	1.0	0.11	1	04/08/25 15:13	04/09/25 06:14	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/08/25 15:13	04/09/25 06:14	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/08/25 15:13	04/09/25 06:14	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/08/25 15:13	04/09/25 06:14	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/08/25 15:13	04/09/25 06:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/14/25 12:11	04/14/25 21:12	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**279**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Bicarbonate (CaCO3)	**279**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/14/25 10:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-10I **Lab ID: 50397906002** Collected: 04/04/25 10:58 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1300**	mg/L	20.0	20.0	1		04/07/25 11:30		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/07/25 11:12		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.19**	mg/L	0.10	0.013	1		04/05/25 12:28	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.2**	mg/L	3.0	0.90	3		04/09/25 16:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13S **Lab ID: 50397906003** Collected: 04/04/25 10:20 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**24.9**	mg/L	2.5	1.3	10		04/10/25 05:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/09/25 00:40	16984-48-8	
Sulfate	**15.4**	mg/L	0.25	0.19	1		04/09/25 00:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/07/25 16:33	04/11/25 08:55	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/11/25 08:55	7440-43-9	
Calcium	**92100**	ug/L	1000	83.9	1	04/07/25 16:33	04/11/25 08:55	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/11/25 08:55	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/11/25 08:55	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/11/25 08:55	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/07/25 16:33	04/11/25 08:55	7439-93-2	
Magnesium	**24400**	ug/L	1000	53.7	1	04/07/25 16:33	04/11/25 08:55	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/07/25 16:33	04/11/25 08:55	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/07/25 16:33	04/11/25 08:55	7439-98-7	
Potassium	**3080**	ug/L	1000	113	1	04/07/25 16:33	04/11/25 08:55	7440-09-7	
Sodium	**28500**	ug/L	1000	95.0	1	04/07/25 16:33	04/11/25 08:55	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:30	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/08/25 15:13	04/09/25 06:34	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/08/25 15:13	04/09/25 06:34	7440-38-2	
Barium	**46.2**	ug/L	1.0	0.11	1	04/08/25 15:13	04/09/25 06:34	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/08/25 15:13	04/09/25 06:34	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/08/25 15:13	04/09/25 06:34	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/08/25 15:13	04/09/25 06:34	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/08/25 15:13	04/09/25 06:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/14/25 12:11	04/14/25 21:14	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**357**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Bicarbonate (CaCO3)	**357**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/14/25 10:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13S **Lab ID: 50397906003** Collected: 04/04/25 10:20 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**446**	mg/L	10.0	10.0	1		04/07/25 11:31		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/07/25 11:13		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**7.4**	mg/L	0.50	0.065	5		04/05/25 12:22	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/08/25 19:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13I **Lab ID: 50397906006** Collected: 04/04/25 11:42 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**21.2**	mg/L	2.5	1.3	10		04/09/25 04:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/09/25 03:45	16984-48-8	
Sulfate	**24.5**	mg/L	0.25	0.19	1		04/09/25 03:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/07/25 16:33	04/11/25 09:11	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/11/25 09:11	7440-43-9	
Calcium	**69600**	ug/L	1000	83.9	1	04/07/25 16:33	04/11/25 09:11	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/11/25 09:11	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/11/25 09:11	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/11/25 09:11	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/07/25 16:33	04/11/25 09:11	7439-93-2	
Magnesium	**19000**	ug/L	1000	53.7	1	04/07/25 16:33	04/11/25 09:11	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/07/25 16:33	04/11/25 09:11	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/07/25 16:33	04/11/25 09:11	7439-98-7	
Potassium	**1980**	ug/L	1000	113	1	04/07/25 16:33	04/11/25 09:11	7440-09-7	
Sodium	**22600**	ug/L	1000	95.0	1	04/07/25 16:33	04/11/25 09:11	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:41	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/08/25 15:13	04/09/25 06:18	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/08/25 15:13	04/09/25 06:18	7440-38-2	
Barium	**30.2**	ug/L	1.0	0.11	1	04/08/25 15:13	04/09/25 06:18	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/08/25 15:13	04/09/25 06:18	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/08/25 15:13	04/09/25 06:18	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/08/25 15:13	04/09/25 06:18	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/08/25 15:13	04/09/25 06:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/14/25 12:11	04/14/25 21:22	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**244**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Bicarbonate (CaCO3)	**244**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/14/25 10:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13I **Lab ID: 50397906006** Collected: 04/04/25 11:42 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**310**	mg/L	10.0	10.0	1		04/07/25 11:31		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/07/25 11:17		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.3**	mg/L	0.10	0.013	1		04/05/25 12:30	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/08/25 19:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: DUP 2 **Lab ID: 50397906007** Collected: 04/04/25 08:00 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**93.7**	mg/L	2.5	1.3	10		04/09/25 04:36	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.016	1		04/09/25 04:19	16984-48-8	
Sulfate	**367**	mg/L	2.5	1.9	10		04/09/25 04:36	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4880**	ug/L	100	5.6	1	04/07/25 16:33	04/11/25 09:13	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/07/25 16:33	04/11/25 09:13	7440-43-9	
Calcium	**190000**	ug/L	1000	83.9	1	04/07/25 16:33	04/11/25 09:13	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/07/25 16:33	04/11/25 09:13	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/07/25 16:33	04/11/25 09:13	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/07/25 16:33	04/11/25 09:13	7439-92-1	
Lithium	**96.9**	ug/L	20.0	3.8	1	04/07/25 16:33	04/11/25 09:13	7439-93-2	
Magnesium	**47000**	ug/L	1000	53.7	1	04/07/25 16:33	04/11/25 09:13	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/07/25 16:33	04/11/25 09:13	7439-96-5	
Molybdenum	**49.2**	ug/L	10.0	1.4	1	04/07/25 16:33	04/11/25 09:13	7439-98-7	
Potassium	**8380**	ug/L	1000	113	1	04/07/25 16:33	04/11/25 09:13	7440-09-7	
Sodium	**75700**	ug/L	1000	95.0	1	04/07/25 16:33	04/11/25 09:13	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**48.7**	ug/L	10.0	1.4	1	04/08/25 08:28	04/09/25 03:47	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**2.2**	ug/L	1.0	0.19	1	04/08/25 15:13	04/09/25 06:22	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/08/25 15:13	04/09/25 06:22	7440-38-2	
Barium	**71.2**	ug/L	1.0	0.11	1	04/08/25 15:13	04/09/25 06:22	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/08/25 15:13	04/09/25 06:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/08/25 15:13	04/09/25 06:22	7440-48-4	
Selenium	**22.9**	ug/L	1.0	0.26	1	04/08/25 15:13	04/09/25 06:22	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/08/25 15:13	04/09/25 06:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/14/25 12:11	04/14/25 21:29	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**377**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Bicarbonate (CaCO3)	**377**	mg/L	10.0	10.0	1		04/14/25 10:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/14/25 10:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: DUP 2 **Lab ID: 50397906007** Collected: 04/04/25 08:00 Received: 04/04/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1020**	mg/L	20.0	20.0	1		04/07/25 11:32		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		04/07/25 11:18		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.26**	mg/L	0.10	0.013	1		04/05/25 12:20	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	1.0	0.30	1		04/08/25 19:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837835
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3834120 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/08/25 18:26	
Fluoride	mg/L	ND	0.10	0.016	04/08/25 18:26	
Sulfate	mg/L	ND	0.25	0.19	04/08/25 18:26	

LABORATORY CONTROL SAMPLE: 3834121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	100	80-120	
Fluoride	mg/L	1	1.1	106	80-120	
Sulfate	mg/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834122 3834123

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.9	25	25	49.8	49.8	100	100	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.1	1.1	105	108	80-120	3	15	
Sulfate	mg/L	15.4	5	5	20.5	20.6	102	103	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 838782
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3838502 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/14/25 21:05	

LABORATORY CONTROL SAMPLE: 3838503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838504 3838505

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	5.0	100	100	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838506 3838507

Parameter	Units	50398108002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.9	98	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837755
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3833928 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/11/25 08:47	
Cadmium	ug/L	ND	2.0	0.46	04/11/25 08:47	
Calcium	ug/L	ND	1000	83.9	04/11/25 08:47	
Chromium	ug/L	ND	10.0	0.96	04/11/25 08:47	
Iron	ug/L	ND	100	41.0	04/11/25 08:47	
Lead	ug/L	ND	10.0	2.0	04/11/25 08:47	
Lithium	ug/L	ND	20.0	3.8	04/11/25 08:47	
Magnesium	ug/L	ND	1000	53.7	04/11/25 08:47	
Manganese	ug/L	ND	10.0	0.77	04/11/25 08:47	
Molybdenum	ug/L	ND	10.0	1.4	04/11/25 08:47	
Potassium	ug/L	ND	1000	113	04/11/25 08:47	
Sodium	ug/L	ND	1000	95.0	04/11/25 08:47	

LABORATORY CONTROL SAMPLE: 3833929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	969	97	80-120	
Cadmium	ug/L	1000	959	96	80-120	
Calcium	ug/L	10000	9840	98	80-120	
Chromium	ug/L	1000	973	97	80-120	
Iron	ug/L	10000	9870	99	80-120	
Lead	ug/L	1000	935	94	80-120	
Lithium	ug/L	1000	981	98	80-120	
Magnesium	ug/L	10000	9840	98	80-120	
Manganese	ug/L	1000	971	97	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9650	96	80-120	
Sodium	ug/L	10000	9750	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3833930 3833931

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1050	1050	100	100	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	972	966	97	97	75-125	1	20	
Calcium	ug/L	92100	10000	10000	110000	109000	182	167	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	974	976	97	98	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3833930 3833931

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9910	9910	99	99	75-125	0	20	
Lead	ug/L	ND	1000	1000	927	923	93	92	75-125	0	20	
Lithium	ug/L	ND	1000	1000	983	988	98	98	75-125	0	20	
Magnesium	ug/L	24400	10000	10000	36600	36100	121	116	75-125	1	20	
Manganese	ug/L	ND	1000	1000	975	971	97	97	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1030	1020	103	102	75-125	0	20	
Potassium	ug/L	3080	10000	10000	12900	12900	98	98	75-125	0	20	
Sodium	ug/L	28500	10000	10000	40300	39800	118	112	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837904 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3834373 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/09/25 02:55	

LABORATORY CONTROL SAMPLE: 3834374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	979	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834375 3834376

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	989	1020	99	102	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837882
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3834305 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/09/25 04:55	
Arsenic	ug/L	ND	1.0	0.080	04/09/25 04:55	
Barium	ug/L	ND	1.0	0.11	04/09/25 04:55	
Beryllium	ug/L	ND	0.20	0.026	04/09/25 04:55	
Cobalt	ug/L	ND	1.0	0.045	04/09/25 04:55	
Selenium	ug/L	ND	1.0	0.26	04/09/25 04:55	
Thallium	ug/L	ND	1.0	0.052	04/09/25 04:55	

LABORATORY CONTROL SAMPLE: 3834306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.2	98	80-120	
Arsenic	ug/L	40	39.1	98	80-120	
Barium	ug/L	40	39.0	98	80-120	
Beryllium	ug/L	40	39.0	98	80-120	
Cobalt	ug/L	40	41.2	103	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.6	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834307 3834308

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	39.2	39.4	98	99	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.4	39.0	95	97	75-125	1	20	
Barium	ug/L	46.2	40	40	84.3	84.2	95	95	75-125	0	20	
Beryllium	ug/L	ND	40	40	37.4	37.6	94	94	75-125	0	20	
Cobalt	ug/L	ND	40	40	37.9	37.9	94	94	75-125	0	20	
Selenium	ug/L	ND	40	40	40.0	39.4	99	97	75-125	1	20	
Thallium	ug/L	ND	40	40	41.6	41.5	104	104	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 838744 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3838389 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/14/25 10:51	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/14/25 10:51	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/14/25 10:51	

LABORATORY CONTROL SAMPLE: 3838390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.7	99	90-110	

SAMPLE DUPLICATE: 3838391

Parameter	Units	50397952002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	101	104	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	101	104	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3838392

Parameter	Units	50397906003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	357	302	17	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	357	302	17	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837782 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3833977 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/07/25 11:28	

LABORATORY CONTROL SAMPLE: 3833978

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	80-120	

SAMPLE DUPLICATE: 3833979

Parameter	Units	50397865001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	249	250	0	10	

SAMPLE DUPLICATE: 3833980

Parameter	Units	50397906003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	446	447	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837780
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

SAMPLE DUPLICATE: 3833975

Parameter	Units	50397734001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.1	1	2	H3

SAMPLE DUPLICATE: 3833976

Parameter	Units	50397906003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837709 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

METHOD BLANK: 3833691 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/05/25 12:17	

LABORATORY CONTROL SAMPLE: 3833692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3833693 3833694

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	7.4	5	5	12.8	12.8	108	108	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837886
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906001, 50397906002

METHOD BLANK: 3834322 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/08/25 19:36	

LABORATORY CONTROL SAMPLE: 3834323

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834324 3834325

Parameter	Units	50397740014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	3.7	20	20	23.9	24.0	101	102	80-120	1	15	

MATRIX SPIKE SAMPLE: 3834326

Parameter	Units	50397740015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	3.1	10	13.4	103	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 837887
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50397906003, 50397906006, 50397906007

METHOD BLANK: 3834327 Matrix: Water
Associated Lab Samples: 50397906003, 50397906006, 50397906007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/08/25 18:51	

LABORATORY CONTROL SAMPLE: 3834328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3834329 3834330

Parameter	Units	50397906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.3	10	10	11.4	11.5	101	101	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-10S **Lab ID: 50397906001** Collected: 04/04/25 12:14 Received: 04/04/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.426 ± 0.678 (1.17) C:NA T:94%**	pCi/L	04/24/25 15:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.747 ± 0.428 (0.803) C:82% T:91%**	pCi/L	04/24/25 10:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.17 ± 1.11 (1.97)**	pCi/L	04/25/25 11:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-10I **Lab ID: 50397906002** Collected: 04/04/25 10:58 Received: 04/04/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.07 ± 0.645 (0.845) C:NA T:91%**	pCi/L	04/24/25 15:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.00 ± 0.523 (0.965) C:79% T:83%**	pCi/L	04/24/25 10:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.07 ± 1.17 (1.81)**	pCi/L	04/25/25 11:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13S **Lab ID: 50397906003** Collected: 04/04/25 10:20 Received: 04/04/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0396 ± 0.485 (0.910) C:NA T:93%**	pCi/L	04/24/25 15:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.453 ± 0.377 (0.759) C:80% T:84%**	pCi/L	04/24/25 10:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.493 ± 0.862 (1.67)**	pCi/L	04/25/25 11:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13S MS **Lab ID: 50397906004** Collected: 04/04/25 10:20 Received: 04/04/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**77.45 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/24/25 15:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**103.43 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/24/25 10:58	15262-20-1	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13S MSD **Lab ID: 50397906005** Collected: 04/04/25 10:20 Received: 04/04/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**81.34 %REC 4.90RPD ± NA (NA) C:NA T:NA**	pCi/L	04/24/25 15:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**94.38 %REC 9.15RPD ± NA (NA) C:NA T:NA**	pCi/L	04/24/25 10:59	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: MW-13I **Lab ID: 50397906006** Collected: 04/04/25 11:42 Received: 04/04/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.221 ± 0.508 (0.920) C:NA T:91%**	pCi/L	04/24/25 15:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.37 ± 0.703 (1.28) C:62% T:77%**	pCi/L	04/24/25 10:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.59 ± 1.21 (2.20)**	pCi/L	04/25/25 11:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Sample: DUP 2 **Lab ID: 50397906007** Collected: 04/04/25 08:00 Received: 04/04/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.56 ± 0.594 (0.145) C:NA T:96%**	pCi/L	04/24/25 15:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.14 ± 0.500 (0.854) C:79% T:89%**	pCi/L	04/24/25 10:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.70 ± 1.09 (0.999)**	pCi/L	04/25/25 11:16	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 738305 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906004, 50397906005, 50397906006, 50397906007

METHOD BLANK: 3593714 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906004, 50397906005, 50397906006, 50397906007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.168 ± 0.260 (0.451) C:NA T:92%	pCi/L	04/24/25 15:20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

QC Batch: 738307 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906004, 50397906005, 50397906006, 50397906007

METHOD BLANK: 3593720 Matrix: Water
Associated Lab Samples: 50397906001, 50397906002, 50397906003, 50397906004, 50397906005, 50397906006, 50397906007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.0612 ± 0.333 (0.795) C:77% T:86%	pCi/L	04/24/25 14:02	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397906001	**MW-10S**	EPA 9056	837835		
50397906002	**MW-10I**	EPA 9056	837835		
50397906003	**MW-13S**	EPA 9056	837835		
50397906006	**MW-13I**	EPA 9056	837835		
50397906007	**DUP 2**	EPA 9056	837835		
50397906001	**MW-10S**	EPA 3010	837755	EPA 6010	838526
50397906002	**MW-10I**	EPA 3010	837755	EPA 6010	838526
50397906003	**MW-13S**	EPA 3010	837755	EPA 6010	838526
50397906006	**MW-13I**	EPA 3010	837755	EPA 6010	838526
50397906007	**DUP 2**	EPA 3010	837755	EPA 6010	838526
50397906001	**MW-10S**	EPA 3010	837904	EPA 6010	838112
50397906002	**MW-10I**	EPA 3010	837904	EPA 6010	838112
50397906003	**MW-13S**	EPA 3010	837904	EPA 6010	838112
50397906006	**MW-13I**	EPA 3010	837904	EPA 6010	838112
50397906007	**DUP 2**	EPA 3010	837904	EPA 6010	838112
50397906001	**MW-10S**	EPA 200.2	837882	EPA 6020	838100
50397906002	**MW-10I**	EPA 200.2	837882	EPA 6020	838100
50397906003	**MW-13S**	EPA 200.2	837882	EPA 6020	838100
50397906006	**MW-13I**	EPA 200.2	837882	EPA 6020	838100
50397906007	**DUP 2**	EPA 200.2	837882	EPA 6020	838100
50397906001	**MW-10S**	EPA 7470	838782	EPA 7470	838882
50397906002	**MW-10I**	EPA 7470	838782	EPA 7470	838882
50397906003	**MW-13S**	EPA 7470	838782	EPA 7470	838882
50397906006	**MW-13I**	EPA 7470	838782	EPA 7470	838882
50397906007	**DUP 2**	EPA 7470	838782	EPA 7470	838882
50397906001	**MW-10S**	EPA 903.1	738305		
50397906002	**MW-10I**	EPA 903.1	738305		
50397906003	**MW-13S**	EPA 903.1	738305		
50397906004	**MW-13S MS**	EPA 903.1	738305		
50397906005	**MW-13S MSD**	EPA 903.1	738305		
50397906006	**MW-13I**	EPA 903.1	738305		
50397906007	**DUP 2**	EPA 903.1	738305		
50397906001	**MW-10S**	EPA 904.0	738307		
50397906002	**MW-10I**	EPA 904.0	738307		
50397906003	**MW-13S**	EPA 904.0	738307		
50397906004	**MW-13S MS**	EPA 904.0	738307		
50397906005	**MW-13S MSD**	EPA 904.0	738307		
50397906006	**MW-13I**	EPA 904.0	738307		
50397906007	**DUP 2**	EPA 904.0	738307		
50397906001	**MW-10S**	Total Radium Calculation	742007		
50397906002	**MW-10I**	Total Radium Calculation	742007		
50397906003	**MW-13S**	Total Radium Calculation	742007		
50397906006	**MW-13I**	Total Radium Calculation	742007		
50397906007	**DUP 2**	Total Radium Calculation	742007		
50397906001	**MW-10S**	SM 2320B	838744		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50397906

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50397906002	**MW-10I**	SM 2320B	838744		
50397906003	**MW-13S**	SM 2320B	838744		
50397906006	**MW-13I**	SM 2320B	838744		
50397906007	**DUP 2**	SM 2320B	838744		
50397906001	**MW-10S**	SM 2540C	837782		
50397906002	**MW-10I**	SM 2540C	837782		
50397906003	**MW-13S**	SM 2540C	837782		
50397906006	**MW-13I**	SM 2540C	837782		
50397906007	**DUP 2**	SM 2540C	837782		
50397906001	**MW-10S**	SM 4500-H+B	837780		
50397906002	**MW-10I**	SM 4500-H+B	837780		
50397906003	**MW-13S**	SM 4500-H+B	837780		
50397906006	**MW-13I**	SM 4500-H+B	837780		
50397906007	**DUP 2**	SM 4500-H+B	837780		
50397906001	**MW-10S**	EPA 353.2	837709		
50397906002	**MW-10I**	EPA 353.2	837709		
50397906003	**MW-13S**	EPA 353.2	837709		
50397906006	**MW-13I**	EPA 353.2	837709		
50397906007	**DUP 2**	EPA 353.2	837709		
50397906001	**MW-10S**	SM 5310C	837886		
50397906002	**MW-10I**	SM 5310C	837886		
50397906003	**MW-13S**	SM 5310C	837887		
50397906006	**MW-13I**	SM 5310C	837887		
50397906007	**DUP 2**	SM 5310C	837887		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50397906

50397906

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[✓] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment	Preservation non-conformance identified for sample.
MW-10S					4-4-25	1214				X	X	X	X	X	X	X	X	X		
MW-10I						1058														
MW-13S						1020														
MW-13I						1142														
[redacted] DUP-2						—														
MS-2						1020														
MSD-2					↓	1020				↓	↓	↓	↓	↓	↓	↓	↓	↓		

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Amanda Gaines
AcctNum / Client ID:
Table #:
Profile / Template: 10498/69
Prelog / Bottle Ord. ID: EZ 3238786

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mykah Bertram / Aaron Day
Signature: [signature] / [signature]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp. (°C)	On Ice:
		See SCR			

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Aaron Day / ATLAS	4-4-25 / 1509	[signature] pace	4/4/25 15:09
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: IBTM 4/4/25 15:43

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H (I)

2. **Cooler Temperature(s):** (Initial/Corrected) 2.2/2.1 | 2.4/2.3 | | | RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Courier:** *Circle One* Fed Ex UPS (Client) Pace Now/Jett Other

4. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler:** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate/Nitrite	X	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		X
Custody Signatures Present?	X	
Containers Intact?:	X	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	X		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			X
Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details			X
Trip Blank Present?		X	
Trip Blank Custody Seals?:			X
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC										OTHER									
			MeOH (only)																															
			SBS																															
			DI																															
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																													HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1	2	1	1									SL	✓	✓		
2												↓				↓	↓	↓	↓	↓									↓	↓	↓		
3												6				6	3	6	3	3													
4												2				2	1	2	1	1													
5												↓				↓	↓	↓	↓	6									↓	↓	↓		
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Dear Mr. Breting:

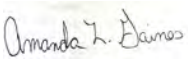
Enclosed are the analytical results for sample(s) received by the laboratory on April 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398288001	**MW-10D**	Water	04/08/25 11:42	04/09/25 16:05
50398288002	**MW-13D**	Water	04/08/25 11:30	04/09/25 16:05

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398288001	**MW-10D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398288002	**MW-13D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398288001	**MW-10D**					
EPA 9056	Chloride	97.7	mg/L	2.5	04/11/25 06:01	
EPA 9056	Fluoride	0.18	mg/L	0.10	04/11/25 05:45	
EPA 9056	Sulfate	73.1	mg/L	2.5	04/11/25 06:01	
EPA 6010	Boron	343	ug/L	100	04/15/25 11:55	
EPA 6010	Calcium	99400	ug/L	1000	04/15/25 11:55	
EPA 6010	Iron	142	ug/L	100	04/15/25 11:55	
EPA 6010	Lithium	43.3	ug/L	20.0	04/15/25 11:55	
EPA 6010	Magnesium	25900	ug/L	1000	04/15/25 11:55	
EPA 6010	Manganese	130	ug/L	10.0	04/15/25 11:55	
EPA 6010	Molybdenum	83.4	ug/L	10.0	04/15/25 11:55	
EPA 6010	Potassium	7060	ug/L	1000	04/15/25 11:55	
EPA 6010	Sodium	61400	ug/L	1000	04/15/25 11:55	
EPA 6010	Molybdenum, Dissolved	81.2	ug/L	10.0	04/16/25 09:42	
EPA 6020	Barium	63.9	ug/L	1.0	04/16/25 04:33	
EPA 903.1	Radium-226	0.354 ± 0.519 (0.886) C:NA T:88%	pCi/L		04/30/25 14:56	
EPA 904.0	Radium-228	0.644 ± 0.376 (0.685) C:80% T:85%	pCi/L		04/30/25 12:17	
Total Radium Calculation	Total Radium	0.998 ± 0.895 (1.57)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	281	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	281	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	551	mg/L	10.0	04/11/25 09:15	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/10/25 11:34	H3
50398288002	**MW-13D**					
EPA 9056	Chloride	23.9	mg/L	0.25	04/11/25 06:35	
EPA 9056	Sulfate	28.3	mg/L	0.25	04/11/25 06:35	
EPA 6010	Calcium	70000	ug/L	1000	04/15/25 11:57	
EPA 6010	Magnesium	20900	ug/L	1000	04/15/25 11:57	
EPA 6010	Potassium	1530	ug/L	1000	04/15/25 11:57	
EPA 6010	Sodium	21700	ug/L	1000	04/15/25 11:57	
EPA 6020	Barium	54.0	ug/L	1.0	04/16/25 04:37	
EPA 6020	Selenium	1.6	ug/L	1.0	04/16/25 04:37	
EPA 903.1	Radium-226	0.225 ± 0.662 (1.20) C:NA T:97%	pCi/L		04/30/25 14:56	
EPA 904.0	Radium-228	0.227 ± 0.321 (0.689) C:78% T:88%	pCi/L		04/30/25 12:17	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398288002	**MW-13D**					
Total Radium Calculation	Total Radium	0.452 ± 0.983 (1.89)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	253	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	253	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	311	mg/L	10.0	04/11/25 09:16	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/10/25 11:36	H3
EPA 353.2	Nitrogen, Nitrate	0.64	mg/L	0.10	04/10/25 09:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Sample: MW-10D **Lab ID: 50398288001** Collected: 04/08/25 11:42 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**97.7**	mg/L	2.5	1.3	10		04/11/25 06:01	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.016	1		04/11/25 05:45	16984-48-8	
Sulfate	**73.1**	mg/L	2.5	1.9	10		04/11/25 06:01	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**343**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:55	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:55	7440-43-9	
Calcium	**99400**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:55	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:55	7440-47-3	
Iron	**142**	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:55	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:55	7439-92-1	
Lithium	**43.3**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:55	7439-93-2	
Magnesium	**25900**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:55	7439-95-4	
Manganese	**130**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:55	7439-96-5	
Molybdenum	**83.4**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:55	7439-98-7	
Potassium	**7060**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:55	7440-09-7	
Sodium	**61400**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:55	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**81.2**	ug/L	10.0	1.4	1	04/14/25 16:30	04/16/25 09:42	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 04:33	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 04:33	7440-38-2	
Barium	**63.9**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 04:33	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 04:33	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 04:33	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 04:33	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 04:33	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:06	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**281**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**281**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Sample: MW-10D **Lab ID: 50398288001** Collected: 04/08/25 11:42 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**551**	mg/L	10.0	10.0	1		04/11/25 09:15		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/10/25 11:34		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/10/25 09:16	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/11/25 15:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Sample: MW-13D **Lab ID: 50398288002** Collected: 04/08/25 11:30 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**23.9**	mg/L	0.25	0.13	1		04/11/25 06:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/11/25 06:35	16984-48-8	
Sulfate	**28.3**	mg/L	0.25	0.19	1		04/11/25 06:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:57	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:57	7440-43-9	
Calcium	**70000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:57	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:57	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:57	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:57	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:57	7439-93-2	
Magnesium	**20900**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:57	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:57	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:57	7439-98-7	
Potassium	**1530**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:57	7440-09-7	
Sodium	**21700**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:57	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/14/25 16:30	04/16/25 09:44	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 04:37	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 04:37	7440-38-2	
Barium	**54.0**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 04:37	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 04:37	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 04:37	7440-48-4	
Selenium	**1.6**	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 04:37	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 04:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:08	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**253**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**253**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Sample: MW-13D **Lab ID: 50398288002** Collected: 04/08/25 11:30 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**311**	mg/L	10.0	10.0	1		04/11/25 09:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/10/25 11:36		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.64**	mg/L	0.10	0.013	1		04/10/25 09:14	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/11/25 16:02		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838337
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3836233 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/11/25 10:23	
Fluoride	mg/L	ND	0.10	0.016	04/11/25 10:23	
Sulfate	mg/L	ND	0.25	0.19	04/11/25 10:23	

LABORATORY CONTROL SAMPLE: 3836234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	96	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836235 3836236

Parameter	Units	50398108002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.5	2.5	2.5	3.8	3.9	94	96	80-120	1	15	
Fluoride	mg/L	0.12	1	1	1.0	1.1	92	93	80-120	2	15	
Sulfate	mg/L	7.5	5	5	12.1	12.2	91	93	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 839079
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3839514 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/16/25 08:53	

LABORATORY CONTROL SAMPLE: 3839515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839516 3839517

Parameter	Units	50398290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.9	98	98	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838279
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3836041 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/15/25 11:04	
Cadmium	ug/L	ND	2.0	0.46	04/15/25 11:04	
Calcium	ug/L	ND	1000	83.9	04/15/25 11:04	
Chromium	ug/L	ND	10.0	0.96	04/15/25 11:04	
Iron	ug/L	ND	100	41.0	04/15/25 11:04	
Lead	ug/L	ND	10.0	2.0	04/15/25 11:04	
Lithium	ug/L	ND	20.0	3.8	04/15/25 11:04	
Magnesium	ug/L	ND	1000	53.7	04/15/25 11:04	
Manganese	ug/L	ND	10.0	0.77	04/15/25 11:04	
Molybdenum	ug/L	ND	10.0	1.4	04/15/25 11:04	
Potassium	ug/L	ND	1000	113	04/15/25 11:04	
Sodium	ug/L	ND	1000	95.0	04/15/25 11:04	

LABORATORY CONTROL SAMPLE: 3836042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	992	99	80-120	
Cadmium	ug/L	1000	970	97	80-120	
Calcium	ug/L	10000	9900	99	80-120	
Chromium	ug/L	1000	968	97	80-120	
Iron	ug/L	10000	9790	98	80-120	
Lead	ug/L	1000	948	95	80-120	
Lithium	ug/L	1000	982	98	80-120	
Magnesium	ug/L	10000	9910	99	80-120	
Manganese	ug/L	1000	971	97	80-120	
Molybdenum	ug/L	1000	990	99	80-120	
Potassium	ug/L	10000	9630	96	80-120	
Sodium	ug/L	10000	9730	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	3150	1000	1000	4200	4460	105	131	75-125	6	20	M0
Cadmium	ug/L	ND	1000	1000	982	1020	98	102	75-125	4	20	
Calcium	ug/L	86300	10000	10000	96300	103000	100	168	75-125	7	20	P6
Chromium	ug/L	ND	1000	1000	964	1020	96	102	75-125	6	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	124	10000	10000	9760	10500	96	103	75-125	7	20	
Lead	ug/L	ND	1000	1000	931	969	93	97	75-125	4	20	
Lithium	ug/L	49.3	1000	1000	1030	1070	98	102	75-125	4	20	
Magnesium	ug/L	19700	10000	10000	29400	31400	97	117	75-125	6	20	
Manganese	ug/L	290	1000	1000	1250	1330	96	104	75-125	6	20	
Molybdenum	ug/L	57.3	1000	1000	1070	1110	101	106	75-125	4	20	
Potassium	ug/L	3480	10000	10000	13300	13800	99	103	75-125	3	20	
Sodium	ug/L	65800	10000	10000	76300	79200	104	134	75-125	4	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838688
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3838118 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/16/25 08:52	

LABORATORY CONTROL SAMPLE: 3838119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838120 3838121

Parameter	Units	50398295004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1030	1020	103	102	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838730
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3838351 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/16/25 04:17	
Arsenic	ug/L	ND	1.0	0.080	04/16/25 04:17	
Barium	ug/L	ND	1.0	0.11	04/16/25 04:17	
Beryllium	ug/L	ND	0.20	0.026	04/16/25 04:17	
Cobalt	ug/L	ND	1.0	0.045	04/16/25 04:17	
Selenium	ug/L	ND	1.0	0.26	04/16/25 04:17	
Thallium	ug/L	ND	1.0	0.052	04/16/25 04:17	

LABORATORY CONTROL SAMPLE: 3838352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.7	99	80-120	
Arsenic	ug/L	40	39.2	98	80-120	
Barium	ug/L	40	39.4	98	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838353 3838354

Parameter	Units	50398290003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.7	39.6	102	99	75-125	3	20	
Arsenic	ug/L	ND	40	40	40.8	39.9	101	99	75-125	2	20	
Barium	ug/L	34.0	40	40	74.0	73.3	100	98	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.6	39.0	99	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.3	38.9	97	96	75-125	1	20	
Selenium	ug/L	1.4	40	40	41.2	41.3	99	100	75-125	0	20	
Thallium	ug/L	ND	40	40	42.3	41.4	106	104	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 839283
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3840508 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/17/25 13:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/17/25 13:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/17/25 13:45	

LABORATORY CONTROL SAMPLE: 3840509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	90-110	

SAMPLE DUPLICATE: 3840510

Parameter	Units	50398212023 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	125	125	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	125	125	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3840511

Parameter	Units	50398212024 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	107	121	12	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	107	121	12	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838533
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3837159 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/11/25 09:11	

LABORATORY CONTROL SAMPLE: 3837160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	80-120	

SAMPLE DUPLICATE: 3837161

Parameter	Units	50398236004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1330	1330	0	10	

SAMPLE DUPLICATE: 3837162

Parameter	Units	50398295004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1840	1820	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838373
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

SAMPLE DUPLICATE: 3836327

Parameter	Units	50398288001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3836328

Parameter	Units	50398293003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838324
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3836192 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/10/25 09:05	

LABORATORY CONTROL SAMPLE: 3836193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836194 3836195

Parameter	Units	50398288001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	106	105	90-110	1	20	

MATRIX SPIKE SAMPLE: 3836196

Parameter	Units	50398290002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	104	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 838450
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3836650 Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/11/25 06:43	

LABORATORY CONTROL SAMPLE: 3836651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836652 3836653

Parameter	Units	50398219003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	4.6	10	10	14.7	15.3	101	107	80-120	4	15	

MATRIX SPIKE SAMPLE: 3836654

Parameter	Units	50398219004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	4.1	10	14.8	107	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Sample: MW-10D **Lab ID: 50398288001** Collected: 04/08/25 11:42 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.354 ± 0.519 (0.886) C:NA T:88%**	pCi/L	04/30/25 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.644 ± 0.376 (0.685) C:80% T:85%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.998 ± 0.895 (1.57)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Sample: MW-13D **Lab ID: 50398288002** Collected: 04/08/25 11:30 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.225 ± 0.662 (1.20) C:NA T:97%**	pCi/L	04/30/25 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.227 ± 0.321 (0.689) C:78% T:88%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.452 ± 0.983 (1.89)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 739400
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3598628
Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.420 ± 0.353 (0.504) C:NA T:93%	pCi/L	04/30/25 14:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

QC Batch: 739401
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398288001, 50398288002

METHOD BLANK: 3598629
Matrix: Water
Associated Lab Samples: 50398288001, 50398288002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.00723 ± 0.286 (0.665) C:81% T:88%	pCi/L	04/30/25 12:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398288

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398288001	**MW-10D**	EPA 9056	838337		
50398288002	**MW-13D**	EPA 9056	838337		
50398288001	**MW-10D**	EPA 3010	838279	EPA 6010	838956
50398288002	**MW-13D**	EPA 3010	838279	EPA 6010	838956
50398288001	**MW-10D**	EPA 3010	838688	EPA 6010	839121
50398288002	**MW-13D**	EPA 3010	838688	EPA 6010	839121
50398288001	**MW-10D**	EPA 200.2	838730	EPA 6020	839017
50398288002	**MW-13D**	EPA 200.2	838730	EPA 6020	839017
50398288001	**MW-10D**	EPA 7470	839079	EPA 7470	839102
50398288002	**MW-13D**	EPA 7470	839079	EPA 7470	839102
50398288001	**MW-10D**	EPA 903.1	739400		
50398288002	**MW-13D**	EPA 903.1	739400		
50398288001	**MW-10D**	EPA 904.0	739401		
50398288002	**MW-13D**	EPA 904.0	739401		
50398288001	**MW-10D**	Total Radium Calculation	743113		
50398288002	**MW-13D**	Total Radium Calculation	743113		
50398288001	**MW-10D**	SM 2320B	839283		
50398288002	**MW-13D**	SM 2320B	839283		
50398288001	**MW-10D**	SM 2540C	838533		
50398288002	**MW-13D**	SM 2540C	838533		
50398288001	**MW-10D**	SM 4500-H+B	838373		
50398288002	**MW-13D**	SM 4500-H+B	838373		
50398288001	**MW-10D**	EPA 353.2	838324		
50398288002	**MW-13D**	EPA 353.2	838324		
50398288001	**MW-10D**	SM 5310C	838450		
50398288002	**MW-13D**	SM 5310C	838450		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50398288

50398288

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA		Sample Comment	Preservation non-conformance identified for sample.
MW-10D	GW	Grab	4/8/25	1142			9			X	X	X	X	X	X	X	X	X			
MW-13D	GW	Grab	4/8/25	1130			9			X	X	X	X	X	X	X	X	X			

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**

AcctNum / Client ID:

Table #:

Profile / Template: **10498/69**

Prelog / Bottle Ord. ID: **EZ 3238786**

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Aaron Day / Mykala Breting
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
4	F	0.0	0.9	0.9	Y

	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature) ATLAS	4-8-25	Pace	4/9/25 15:00	
Relinquished by/Company: (Signature) Pace	4/9/25 1605		4-9-25 1605	Delivered by: [ ] In- Person [✓] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 5 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TRH 4-9-25 1740

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E (F) G H I

2. Cooler Temperature(s): (Initial/Corrected) 0.9/0.9

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS Client (Pace) Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes (No) **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** 353.2 JG 4/9/25	—	X
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU	BG1U	MeOH (only) / SBS / DI / R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix
1													2				2	1	2	1	1									WT
2													2				2	1	2	1	1									WT
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/ZnAc >9

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Dear Mr. Breting:

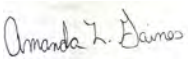
Enclosed are the analytical results for sample(s) received by the laboratory on April 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398290001	**MW-19D**	Water	04/08/25 14:00	04/09/25 16:05
50398290002	**MW-19I**	Water	04/08/25 12:45	04/09/25 16:05
50398290003	**MW-19S**	Water	04/08/25 11:15	04/09/25 16:05
50398290004	**DUP 8**	Water	04/08/25 08:00	04/09/25 16:05
50398290005	**MW-20S**	Water	04/08/25 15:00	04/09/25 16:05
50398290006	**MW-20I**	Water	04/08/25 17:15	04/09/25 16:05
50398290007	**MW-20D**	Water	04/08/25 14:49	04/09/25 16:05
50398290008	**DUP 9**	Water	04/08/25 08:00	04/09/25 16:05

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398290001	**MW-19D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398290002	**MW-19I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398290003	**MW-19S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398290004	**DUP 8**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398290005	**MW-20S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398290006	**MW-20I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398290007	**MW-20D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398290008	**DUP 9**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398290001	**MW-19D**					
EPA 9056	Chloride	86.9	mg/L	2.5	04/10/25 18:13	
EPA 9056	Sulfate	94.1	mg/L	2.5	04/10/25 18:13	
EPA 6010	Boron	3150	ug/L	100	04/15/25 11:10	
EPA 6010	Calcium	86300	ug/L	1000	04/15/25 11:10	
EPA 6010	Iron	124	ug/L	100	04/15/25 11:10	
EPA 6010	Lithium	49.3	ug/L	20.0	04/15/25 11:10	
EPA 6010	Magnesium	19700	ug/L	1000	04/15/25 11:10	
EPA 6010	Manganese	290	ug/L	10.0	04/15/25 11:10	
EPA 6010	Molybdenum	57.3	ug/L	10.0	04/15/25 11:10	
EPA 6010	Potassium	3480	ug/L	1000	04/15/25 11:10	
EPA 6010	Sodium	65800	ug/L	1000	04/15/25 11:10	
EPA 6010	Molybdenum, Dissolved	56.2	ug/L	10.0	04/15/25 00:20	
EPA 6020	Barium	50.2	ug/L	1.0	04/16/25 04:41	
EPA 903.1	Radium-226	-0.0540 ± 0.644 (1.24) C:NA T:96%	pCi/L		04/30/25 14:56	
EPA 904.0	Radium-228	0.390 ± 0.316 (0.627) C:79% T:92%	pCi/L		04/30/25 12:17	
Total Radium Calculation	Total Radium	0.390 ± 0.960 (1.87)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	245	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	245	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	517	mg/L	10.0	04/11/25 09:16	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/10/25 11:37	H3
50398290002	**MW-19I**					
EPA 9056	Chloride	40.3	mg/L	2.5	04/10/25 19:37	
EPA 9056	Sulfate	39.9	mg/L	0.25	04/10/25 19:20	
EPA 6010	Boron	1640	ug/L	100	04/15/25 11:21	
EPA 6010	Calcium	73000	ug/L	1000	04/15/25 11:21	
EPA 6010	Lithium	73.8	ug/L	20.0	04/15/25 11:21	
EPA 6010	Magnesium	16200	ug/L	1000	04/15/25 11:21	
EPA 6010	Manganese	54.0	ug/L	10.0	04/15/25 11:21	
EPA 6010	Molybdenum	140	ug/L	10.0	04/15/25 11:21	
EPA 6010	Potassium	5160	ug/L	1000	04/15/25 11:21	
EPA 6010	Sodium	38500	ug/L	1000	04/15/25 11:21	
EPA 6010	Molybdenum, Dissolved	138	ug/L	10.0	04/15/25 00:22	
EPA 6020	Barium	74.0	ug/L	1.0	04/16/25 04:45	
EPA 903.1	Radium-226	-0.546 ± 0.789 (1.58) C:NA T:90%	pCi/L		04/30/25 14:56	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398290002	**MW-19I**					
EPA 904.0	Radium-228	0.481 ± 0.467 (0.970) C:81% T:84%	pCi/L		04/30/25 12:17	
Total Radium Calculation	Total Radium	0.481 ± 1.26 (2.55)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	226	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	206	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Carbonate (CaCO3)	20.4	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	356	mg/L	10.0	04/11/25 09:16	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/10/25 11:37	H3
SM 5310C	Dissolved Organic Carbon	1.0	mg/L	1.0	04/11/25 01:59	
50398290003	**MW-19S**					
EPA 9056	Chloride	22.1	mg/L	0.25	04/10/25 20:11	
EPA 9056	Sulfate	26.8	mg/L	0.25	04/10/25 20:11	
EPA 6010	Boron	178	ug/L	100	04/15/25 11:23	
EPA 6010	Calcium	120000	ug/L	1000	04/15/25 11:23	
EPA 6010	Iron	238	ug/L	100	04/15/25 11:23	
EPA 6010	Magnesium	31800	ug/L	1000	04/15/25 11:23	
EPA 6010	Manganese	31.9	ug/L	10.0	04/15/25 11:23	
EPA 6010	Potassium	2180	ug/L	1000	04/15/25 11:23	
EPA 6010	Sodium	10100	ug/L	1000	04/15/25 11:23	
EPA 6020	Barium	34.0	ug/L	1.0	04/16/25 04:57	
EPA 6020	Selenium	1.4	ug/L	1.0	04/16/25 04:57	
EPA 903.1	Radium-226	-0.104 ± 0.560 (1.11) C:NA T:100%	pCi/L		04/30/25 14:56	
EPA 904.0	Radium-228	1.08 ± 0.481 (0.825) C:80% T:93%	pCi/L		04/30/25 12:17	
Total Radium Calculation	Total Radium	1.08 ± 1.04 (1.94)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	397	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	397	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	443	mg/L	10.0	04/11/25 09:17	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	04/10/25 11:39	H3
EPA 353.2	Nitrogen, Nitrate	4.4	mg/L	0.10	04/10/25 09:13	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/11/25 02:55	
50398290004	**DUP 8**					
EPA 9056	Chloride	87.1	mg/L	2.5	04/10/25 21:01	
EPA 9056	Sulfate	94.3	mg/L	2.5	04/10/25 21:01	
EPA 6010	Boron	3170	ug/L	100	04/15/25 11:29	
EPA 6010	Calcium	87000	ug/L	1000	04/15/25 11:29	
EPA 6010	Lithium	50.1	ug/L	20.0	04/15/25 11:29	
EPA 6010	Magnesium	19900	ug/L	1000	04/15/25 11:29	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398290004	**DUP 8**					
EPA 6010	Manganese	293	ug/L	10.0	04/15/25 11:29	
EPA 6010	Molybdenum	57.5	ug/L	10.0	04/15/25 11:29	
EPA 6010	Potassium	3570	ug/L	1000	04/15/25 11:29	
EPA 6010	Sodium	66500	ug/L	1000	04/15/25 11:29	
EPA 6010	Molybdenum, Dissolved	52.4	ug/L	10.0	04/15/25 00:26	
EPA 6020	Barium	48.0	ug/L	1.0	04/16/25 05:24	
EPA 903.1	Radium-226	0.426 ± 0.784 (1.37) C:NA T:84%	pCi/L		04/30/25 15:09	
EPA 904.0	Radium-228	0.854 ± 0.494 (0.921) C:75% T:87%	pCi/L		04/30/25 12:17	
Total Radium Calculation	Total Radium	1.28 ± 1.28 (2.29)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	254	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	233	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Carbonate (CaCO3)	20.8	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	515	mg/L	10.0	04/11/25 09:18	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/10/25 11:39	H3
50398290005	**MW-20S**					
EPA 9056	Chloride	13.8	mg/L	0.25	04/10/25 21:35	
EPA 9056	Sulfate	12.5	mg/L	0.25	04/10/25 21:35	
EPA 6010	Calcium	109000	ug/L	1000	04/15/25 11:31	
EPA 6010	Iron	152	ug/L	100	04/15/25 11:31	
EPA 6010	Magnesium	27300	ug/L	1000	04/15/25 11:31	
EPA 6010	Manganese	10.2	ug/L	10.0	04/15/25 11:31	
EPA 6010	Potassium	1800	ug/L	1000	04/15/25 11:31	
EPA 6010	Sodium	14000	ug/L	1000	04/15/25 11:31	
EPA 6020	Barium	23.1	ug/L	1.0	04/16/25 05:28	
EPA 903.1	Radium-226	-0.252 ± 0.263 (0.711) C:NA T:97%	pCi/L		04/30/25 15:09	
EPA 904.0	Radium-228	0.545 ± 0.415 (0.824) C:85% T:91%	pCi/L		04/30/25 12:17	
Total Radium Calculation	Total Radium	0.545 ± 0.678 (1.54)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	356	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	356	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	421	mg/L	10.0	04/11/25 09:19	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	04/10/25 11:40	H3
EPA 353.2	Nitrogen, Nitrate	11.3	mg/L	0.40	04/10/25 09:44	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	04/11/25 03:26	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398290006	**MW-20I**					
EPA 9056	Chloride	20.4	mg/L	0.25	04/10/25 22:42	
EPA 9056	Sulfate	25.9	mg/L	0.25	04/10/25 22:42	
EPA 6010	Calcium	84000	ug/L	1000	04/15/25 11:33	
EPA 6010	Iron	347	ug/L	100	04/15/25 11:33	
EPA 6010	Magnesium	24400	ug/L	1000	04/15/25 11:33	
EPA 6010	Manganese	21.3	ug/L	10.0	04/15/25 11:33	
EPA 6010	Potassium	3750	ug/L	1000	04/15/25 11:33	
EPA 6010	Sodium	10300	ug/L	1000	04/15/25 11:33	
EPA 6020	Barium	49.6	ug/L	1.0	04/16/25 05:32	
EPA 903.1	Radium-226	0.220 ± 0.664 (1.20) C:NA T:94%	pCi/L		04/30/25 15:09	
EPA 904.0	Radium-228	-0.214 ± 0.404 (0.969) C:76% T:90%	pCi/L		04/30/25 15:23	
Total Radium Calculation	Total Radium	0.220 ± 1.07 (2.17)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	287	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	266	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Carbonate (CaCO3)	20.8	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	344	mg/L	10.0	04/11/25 09:20	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/10/25 11:42	H3
EPA 353.2	Nitrogen, Nitrate	3.5	mg/L	0.10	04/10/25 09:50	
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	04/11/25 03:36	
50398290007	**MW-20D**					
EPA 9056	Chloride	22.5	mg/L	0.25	04/10/25 23:15	
EPA 9056	Sulfate	28.3	mg/L	0.25	04/10/25 23:15	
EPA 6010	Calcium	82900	ug/L	1000	04/15/25 11:36	
EPA 6010	Magnesium	26100	ug/L	1000	04/15/25 11:36	
EPA 6010	Potassium	2610	ug/L	1000	04/15/25 11:36	
EPA 6010	Sodium	10300	ug/L	1000	04/15/25 11:36	
EPA 6020	Barium	36.1	ug/L	1.0	04/16/25 05:36	
EPA 903.1	Radium-226	0.0520 ± 0.306 (0.625) C:NA T:97%	pCi/L		04/30/25 15:09	
EPA 904.0	Radium-228	0.244 ± 0.417 (0.909) C:75% T:95%	pCi/L		04/30/25 15:23	
Total Radium Calculation	Total Radium	0.296 ± 0.723 (1.53)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	282	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	282	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	354	mg/L	10.0	04/11/25 09:20	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398290007	**MW-20D**					
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/10/25 11:43	H3
EPA 353.2	Nitrogen, Nitrate	3.6	mg/L	0.10	04/10/25 09:31	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/11/25 03:46	
50398290008	**DUP 9**					
EPA 9056	Chloride	22.5	mg/L	0.25	04/10/25 23:49	
EPA 9056	Sulfate	28.2	mg/L	0.25	04/10/25 23:49	
EPA 6010	Calcium	82500	ug/L	1000	04/15/25 11:38	
EPA 6010	Iron	177	ug/L	100	04/15/25 11:38	
EPA 6010	Magnesium	26000	ug/L	1000	04/15/25 11:38	
EPA 6010	Manganese	11.4	ug/L	10.0	04/15/25 11:38	
EPA 6010	Potassium	2700	ug/L	1000	04/15/25 11:38	
EPA 6010	Sodium	10300	ug/L	1000	04/15/25 11:38	
EPA 6020	Barium	35.3	ug/L	1.0	04/16/25 05:40	
EPA 903.1	Radium-226	-1.12 ± 0.874 (1.88) C:NA T:89%	pCi/L		04/30/25 15:09	
EPA 904.0	Radium-228	0.0656 ± 0.347 (0.792) C:80% T:87%	pCi/L		04/30/25 15:23	
Total Radium Calculation	Total Radium	0.0656 ± 1.22 (2.67)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	281	mg/L	10.0	04/17/25 13:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	281	mg/L	10.0	04/17/25 13:45	
SM 2540C	Total Dissolved Solids	338	mg/L	10.0	04/11/25 09:20	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/10/25 11:47	H3
EPA 353.2	Nitrogen, Nitrate	3.6	mg/L	0.10	04/10/25 09:11	H1
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	04/11/25 04:02	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19D **Lab ID: 50398290001** Collected: 04/08/25 14:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**86.9**	mg/L	2.5	1.3	10		04/10/25 18:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 17:56	16984-48-8	
Sulfate	**94.1**	mg/L	2.5	1.9	10		04/10/25 18:13	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3150**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:10	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:10	7440-43-9	
Calcium	**86300**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:10	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:10	7440-47-3	
Iron	**124**	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:10	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:10	7439-92-1	
Lithium	**49.3**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:10	7439-93-2	
Magnesium	**19700**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:10	7439-95-4	
Manganese	**290**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:10	7439-96-5	
Molybdenum	**57.3**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:10	7439-98-7	
Potassium	**3480**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:10	7440-09-7	
Sodium	**65800**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:10	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**56.2**	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:20	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 04:41	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 04:41	7440-38-2	
Barium	**50.2**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 04:41	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 04:41	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 04:41	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 04:41	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 04:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:11	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**245**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**245**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19D **Lab ID: 50398290001** Collected: 04/08/25 14:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**517**	mg/L	10.0	10.0	1		04/11/25 09:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/10/25 11:37		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/10/25 09:29	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/11/25 17:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19I **Lab ID: 50398290002** Collected: 04/08/25 12:45 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**40.3**	mg/L	2.5	1.3	10		04/10/25 19:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 19:20	16984-48-8	
Sulfate	**39.9**	mg/L	0.25	0.19	1		04/10/25 19:20	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1640**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:21	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:21	7440-43-9	
Calcium	**73000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:21	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:21	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:21	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:21	7439-92-1	
Lithium	**73.8**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:21	7439-93-2	
Magnesium	**16200**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:21	7439-95-4	
Manganese	**54.0**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:21	7439-96-5	
Molybdenum	**140**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:21	7439-98-7	
Potassium	**5160**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:21	7440-09-7	
Sodium	**38500**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**138**	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:22	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 04:45	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 04:45	7440-38-2	
Barium	**74.0**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 04:45	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 04:45	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 04:45	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 04:45	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 04:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:13	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**226**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**206**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	**20.4**	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19I **Lab ID: 50398290002** Collected: 04/08/25 12:45 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**356**	mg/L	10.0	10.0	1		04/11/25 09:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/10/25 11:37		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/10/25 09:22	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.0**	mg/L	1.0	0.30	1		04/11/25 01:59		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19S **Lab ID: 50398290003** Collected: 04/08/25 11:15 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**22.1**	mg/L	0.25	0.13	1		04/10/25 20:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 20:11	16984-48-8	
Sulfate	**26.8**	mg/L	0.25	0.19	1		04/10/25 20:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**178**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:23	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:23	7440-43-9	
Calcium	**120000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:23	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:23	7440-47-3	
Iron	**238**	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:23	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:23	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:23	7439-93-2	
Magnesium	**31800**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:23	7439-95-4	
Manganese	**31.9**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:23	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:23	7439-98-7	
Potassium	**2180**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:23	7440-09-7	
Sodium	**10100**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:23	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:24	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 04:57	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 04:57	7440-38-2	
Barium	**34.0**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 04:57	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 04:57	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 04:57	7440-48-4	
Selenium	**1.4**	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 04:57	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 04:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:25	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**397**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**397**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19S **Lab ID: 50398290003** Collected: 04/08/25 11:15 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**443**	mg/L	10.0	10.0	1		04/11/25 09:17		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		04/10/25 11:39		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.4**	mg/L	0.10	0.013	1		04/10/25 09:13	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/11/25 02:55		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: DUP 8 **Lab ID: 50398290004** Collected: 04/08/25 08:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**87.1**	mg/L	2.5	1.3	10		04/10/25 21:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 20:44	16984-48-8	
Sulfate	**94.3**	mg/L	2.5	1.9	10		04/10/25 21:01	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3170**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:29	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:29	7440-43-9	
Calcium	**87000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:29	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:29	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:29	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:29	7439-92-1	
Lithium	**50.1**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:29	7439-93-2	
Magnesium	**19900**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:29	7439-95-4	
Manganese	**293**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:29	7439-96-5	
Molybdenum	**57.5**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:29	7439-98-7	
Potassium	**3570**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:29	7440-09-7	
Sodium	**66500**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:29	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**52.4**	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:26	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 05:24	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 05:24	7440-38-2	
Barium	**48.0**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 05:24	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 05:24	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 05:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 05:24	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 05:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:28	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**254**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**233**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	**20.8**	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: DUP 8 **Lab ID: 50398290004** Collected: 04/08/25 08:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**515**	mg/L	10.0	10.0	1		04/11/25 09:18		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/10/25 11:39		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/10/25 09:09	14797-55-8	H1
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/11/25 03:16		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20S **Lab ID: 50398290005** Collected: 04/08/25 15:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**13.8**	mg/L	0.25	0.13	1		04/10/25 21:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 21:35	16984-48-8	
Sulfate	**12.5**	mg/L	0.25	0.19	1		04/10/25 21:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:31	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:31	7440-43-9	
Calcium	**109000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:31	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:31	7440-47-3	
Iron	**152**	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:31	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:31	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:31	7439-93-2	
Magnesium	**27300**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:31	7439-95-4	
Manganese	**10.2**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:31	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:31	7439-98-7	
Potassium	**1800**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:31	7440-09-7	
Sodium	**14000**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:31	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:28	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 05:28	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 05:28	7440-38-2	
Barium	**23.1**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 05:28	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 05:28	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 05:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 05:28	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 05:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:30	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**356**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**356**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20S **Lab ID: 50398290005** Collected: 04/08/25 15:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**421**	mg/L	10.0	10.0	1		04/11/25 09:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		04/10/25 11:40		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**11.3**	mg/L	0.40	0.052	4		04/10/25 09:44	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.30	1		04/11/25 03:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20I **Lab ID: 50398290006** Collected: 04/08/25 17:15 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**20.4**	mg/L	0.25	0.13	1		04/10/25 22:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 22:42	16984-48-8	
Sulfate	**25.9**	mg/L	0.25	0.19	1		04/10/25 22:42	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:33	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:33	7440-43-9	
Calcium	**84000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:33	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:33	7440-47-3	
Iron	**347**	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:33	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:33	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:33	7439-93-2	
Magnesium	**24400**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:33	7439-95-4	
Manganese	**21.3**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:33	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:33	7439-98-7	
Potassium	**3750**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:33	7440-09-7	
Sodium	**10300**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:33	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:31	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 05:32	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 05:32	7440-38-2	
Barium	**49.6**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 05:32	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 05:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 05:32	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 05:32	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 05:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:33	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**287**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**266**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	**20.8**	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20I **Lab ID: 50398290006** Collected: 04/08/25 17:15 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**344**	mg/L	10.0	10.0	1		04/11/25 09:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/10/25 11:42		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.5**	mg/L	0.10	0.013	1		04/10/25 09:50	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.30	1		04/11/25 03:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20D **Lab ID: 50398290007** Collected: 04/08/25 14:49 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**22.5**	mg/L	0.25	0.13	1		04/10/25 23:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 23:15	16984-48-8	
Sulfate	**28.3**	mg/L	0.25	0.19	1		04/10/25 23:15	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:36	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:36	7440-43-9	
Calcium	**82900**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:36	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:36	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:36	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:36	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:36	7439-93-2	
Magnesium	**26100**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:36	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:36	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:36	7439-98-7	
Potassium	**2610**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:36	7440-09-7	
Sodium	**10300**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:33	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 05:36	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 05:36	7440-38-2	
Barium	**36.1**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 05:36	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 05:36	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 05:36	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 05:36	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 05:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:35	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**282**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**282**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20D **Lab ID: 50398290007** Collected: 04/08/25 14:49 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**354**	mg/L	10.0	10.0	1		04/11/25 09:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/10/25 11:43		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.6**	mg/L	0.10	0.013	1		04/10/25 09:31	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/11/25 03:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: DUP 9 **Lab ID: 50398290008** Collected: 04/08/25 08:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**22.5**	mg/L	0.25	0.13	1		04/10/25 23:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/10/25 23:49	16984-48-8	
Sulfate	**28.2**	mg/L	0.25	0.19	1		04/10/25 23:49	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:38	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:38	7440-43-9	
Calcium	**82500**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 11:38	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:38	7440-47-3	
Iron	**177**	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:38	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:38	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:38	7439-93-2	
Magnesium	**26000**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:38	7439-95-4	
Manganese	**11.4**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:38	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:38	7439-98-7	
Potassium	**2700**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:38	7440-09-7	
Sodium	**10300**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:38	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/14/25 16:45	04/15/25 00:35	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 05:40	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 05:40	7440-38-2	
Barium	**35.3**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 05:40	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 05:40	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 05:40	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 05:40	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 05:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:38	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**281**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Bicarbonate (CaCO3)	**281**	mg/L	10.0	10.0	1		04/17/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/17/25 13:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: DUP 9 **Lab ID: 50398290008** Collected: 04/08/25 08:00 Received: 04/09/25 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**338**	mg/L	10.0	10.0	1		04/11/25 09:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/10/25 11:47		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.6**	mg/L	0.10	0.013	1		04/10/25 09:11	14797-55-8	H1
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.30	1		04/11/25 04:02		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838344
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3836257 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/10/25 17:23	
Fluoride	mg/L	ND	0.10	0.016	04/10/25 17:23	
Sulfate	mg/L	ND	0.25	0.19	04/10/25 17:23	

LABORATORY CONTROL SAMPLE: 3836258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	1.0	103	80-120	
Sulfate	mg/L	5	4.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836259 3836260

Parameter	Units	50398270007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.1	2.5	2.5	6.5	6.6	98	101	80-120	1	15	
Fluoride	mg/L	0.34	1	1	1.3	1.4	101	103	80-120	1	15	
Sulfate	mg/L	62.3	50	50	110	110	95	95	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 839079
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3839514 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/16/25 08:53	

LABORATORY CONTROL SAMPLE: 3839515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839516 3839517

Parameter	Units	50398290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.9	98	98	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838279
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3836041 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/15/25 11:04	
Cadmium	ug/L	ND	2.0	0.46	04/15/25 11:04	
Calcium	ug/L	ND	1000	83.9	04/15/25 11:04	
Chromium	ug/L	ND	10.0	0.96	04/15/25 11:04	
Iron	ug/L	ND	100	41.0	04/15/25 11:04	
Lead	ug/L	ND	10.0	2.0	04/15/25 11:04	
Lithium	ug/L	ND	20.0	3.8	04/15/25 11:04	
Magnesium	ug/L	ND	1000	53.7	04/15/25 11:04	
Manganese	ug/L	ND	10.0	0.77	04/15/25 11:04	
Molybdenum	ug/L	ND	10.0	1.4	04/15/25 11:04	
Potassium	ug/L	ND	1000	113	04/15/25 11:04	
Sodium	ug/L	ND	1000	95.0	04/15/25 11:04	

LABORATORY CONTROL SAMPLE: 3836042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	992	99	80-120	
Cadmium	ug/L	1000	970	97	80-120	
Calcium	ug/L	10000	9900	99	80-120	
Chromium	ug/L	1000	968	97	80-120	
Iron	ug/L	10000	9790	98	80-120	
Lead	ug/L	1000	948	95	80-120	
Lithium	ug/L	1000	982	98	80-120	
Magnesium	ug/L	10000	9910	99	80-120	
Manganese	ug/L	1000	971	97	80-120	
Molybdenum	ug/L	1000	990	99	80-120	
Potassium	ug/L	10000	9630	96	80-120	
Sodium	ug/L	10000	9730	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	3150	1000	1000	4200	4460	105	131	75-125	6	20	M0
Cadmium	ug/L	ND	1000	1000	982	1020	98	102	75-125	4	20	
Calcium	ug/L	86300	10000	10000	96300	103000	100	168	75-125	7	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	ug/L	ND	1000	1000	964	1020	96	102	75-125	6	20	
Iron	ug/L	124	10000	10000	9760	10500	96	103	75-125	7	20	
Lead	ug/L	ND	1000	1000	931	969	93	97	75-125	4	20	
Lithium	ug/L	49.3	1000	1000	1030	1070	98	102	75-125	4	20	
Magnesium	ug/L	19700	10000	10000	29400	31400	97	117	75-125	6	20	
Manganese	ug/L	290	1000	1000	1250	1330	96	104	75-125	6	20	
Molybdenum	ug/L	57.3	1000	1000	1070	1110	101	106	75-125	4	20	
Potassium	ug/L	3480	10000	10000	13300	13800	99	103	75-125	3	20	
Sodium	ug/L	65800	10000	10000	76300	79200	104	134	75-125	4	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838698
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3838209 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/15/25 00:15	

LABORATORY CONTROL SAMPLE: 3838210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	995	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838753 3838754

Parameter	Units	50398374002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	998	978	100	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838730
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3838351 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/16/25 04:17	
Arsenic	ug/L	ND	1.0	0.080	04/16/25 04:17	
Barium	ug/L	ND	1.0	0.11	04/16/25 04:17	
Beryllium	ug/L	ND	0.20	0.026	04/16/25 04:17	
Cobalt	ug/L	ND	1.0	0.045	04/16/25 04:17	
Selenium	ug/L	ND	1.0	0.26	04/16/25 04:17	
Thallium	ug/L	ND	1.0	0.052	04/16/25 04:17	

LABORATORY CONTROL SAMPLE: 3838352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.7	99	80-120	
Arsenic	ug/L	40	39.2	98	80-120	
Barium	ug/L	40	39.4	98	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838353 3838354

Parameter	Units	50398290003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.7	39.6	102	99	75-125	3	20	
Arsenic	ug/L	ND	40	40	40.8	39.9	101	99	75-125	2	20	
Barium	ug/L	34.0	40	40	74.0	73.3	100	98	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.6	39.0	99	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.3	38.9	97	96	75-125	1	20	
Selenium	ug/L	1.4	40	40	41.2	41.3	99	100	75-125	0	20	
Thallium	ug/L	ND	40	40	42.3	41.4	106	104	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 839283 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3840508 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/17/25 13:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/17/25 13:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/17/25 13:45	

LABORATORY CONTROL SAMPLE: 3840509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	90-110	

SAMPLE DUPLICATE: 3840510

Parameter	Units	50398212023 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	125	125	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	125	125	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3840511

Parameter	Units	50398212024 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	107	121	12	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	107	121	12	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838533
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3837159 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/11/25 09:11	

LABORATORY CONTROL SAMPLE: 3837160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	80-120	

SAMPLE DUPLICATE: 3837161

Parameter	Units	50398236004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1330	1330	0	10	

SAMPLE DUPLICATE: 3837162

Parameter	Units	50398295004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1840	1820	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838373
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

SAMPLE DUPLICATE: 3836327

Parameter	Units	50398288001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3836328

Parameter	Units	50398293003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838324 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3836192 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/10/25 09:05	

LABORATORY CONTROL SAMPLE: 3836193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836194 3836195

Parameter	Units	50398288001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	106	105	90-110	1	20	

MATRIX SPIKE SAMPLE: 3836196

Parameter	Units	50398290002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	104	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838450
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290001

METHOD BLANK: 3836650 Matrix: Water
Associated Lab Samples: 50398290001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/11/25 06:43	

LABORATORY CONTROL SAMPLE: 3836651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836652 3836653

Parameter	Units	50398219003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	4.6	10	10	14.7	15.3	101	107	80-120	4	15	

MATRIX SPIKE SAMPLE: 3836654

Parameter	Units	50398219004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	4.1	10	14.8	107	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 838455
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3836674 Matrix: Water
Associated Lab Samples: 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/11/25 01:38	

LABORATORY CONTROL SAMPLE: 3836675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836676 3836677

Parameter	Units	50398290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.0	10	10	11.2	10.8	101	98	80-120	3	15	

MATRIX SPIKE SAMPLE: 3836678

Parameter	Units	50398290003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.3	10	11.0	97	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19D **Lab ID: 50398290001** Collected: 04/08/25 14:00 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.0540 ± 0.644 (1.24) C:NA T:96%**	pCi/L	04/30/25 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.390 ± 0.316 (0.627) C:79% T:92%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.390 ± 0.960 (1.87)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19I **Lab ID: 50398290002** Collected: 04/08/25 12:45 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.546 ± 0.789 (1.58) C:NA T:90%**	pCi/L	04/30/25 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.481 ± 0.467 (0.970) C:81% T:84%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.481 ± 1.26 (2.55)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-19S **Lab ID: 50398290003** Collected: 04/08/25 11:15 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.104 ± 0.560 (1.11) C:NA T:100%**	pCi/L	04/30/25 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.08 ± 0.481 (0.825) C:80% T:93%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.08 ± 1.04 (1.94)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: DUP 8 **Lab ID: 50398290004** Collected: 04/08/25 08:00 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.426 ± 0.784 (1.37) C:NA T:84%**	pCi/L	04/30/25 15:09	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.854 ± 0.494 (0.921) C:75% T:87%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.28 ± 1.28 (2.29)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20S **Lab ID: 50398290005** Collected: 04/08/25 15:00 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.252 ± 0.263 (0.711) C:NA T:97%**	pCi/L	04/30/25 15:09	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.545 ± 0.415 (0.824) C:85% T:91%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.545 ± 0.678 (1.54)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20I **Lab ID: 50398290006** Collected: 04/08/25 17:15 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.220 ± 0.664 (1.20) C:NA T:94%**	pCi/L	04/30/25 15:09	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.214 ± 0.404 (0.969) C:76% T:90%**	pCi/L	04/30/25 15:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.220 ± 1.07 (2.17)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: MW-20D **Lab ID: 50398290007** Collected: 04/08/25 14:49 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0520 ± 0.306 (0.625) C:NA T:97%**	pCi/L	04/30/25 15:09	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.244 ± 0.417 (0.909) C:75% T:95%**	pCi/L	04/30/25 15:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.296 ± 0.723 (1.53)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Sample: DUP 9 **Lab ID: 50398290008** Collected: 04/08/25 08:00 Received: 04/09/25 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-1.12 ± 0.874 (1.88) C:NA T:89%**	pCi/L	04/30/25 15:09	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.0656 ± 0.347 (0.792) C:80% T:87%**	pCi/L	04/30/25 15:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.0656 ± 1.22 (2.67)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 739400 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3598628 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.420 ± 0.353 (0.504) C:NA T:93%	pCi/L	04/30/25 14:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

QC Batch: 739401 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

METHOD BLANK: 3598629 Matrix: Water
Associated Lab Samples: 50398290001, 50398290002, 50398290003, 50398290004, 50398290005, 50398290006, 50398290007, 50398290008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.00723 ± 0.286 (0.665) C:81% T:88%	pCi/L	04/30/25 12:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the recognized method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398290001	**MW-19D**	EPA 9056	838344		
50398290002	**MW-19I**	EPA 9056	838344		
50398290003	**MW-19S**	EPA 9056	838344		
50398290004	**DUP 8**	EPA 9056	838344		
50398290005	**MW-20S**	EPA 9056	838344		
50398290006	**MW-20I**	EPA 9056	838344		
50398290007	**MW-20D**	EPA 9056	838344		
50398290008	**DUP 9**	EPA 9056	838344		
50398290001	**MW-19D**	EPA 3010	838279	EPA 6010	838956
50398290002	**MW-19I**	EPA 3010	838279	EPA 6010	838956
50398290003	**MW-19S**	EPA 3010	838279	EPA 6010	838956
50398290004	**DUP 8**	EPA 3010	838279	EPA 6010	838956
50398290005	**MW-20S**	EPA 3010	838279	EPA 6010	838956
50398290006	**MW-20I**	EPA 3010	838279	EPA 6010	838956
50398290007	**MW-20D**	EPA 3010	838279	EPA 6010	838956
50398290008	**DUP 9**	EPA 3010	838279	EPA 6010	838956
50398290001	**MW-19D**	EPA 3010	838698	EPA 6010	838901
50398290002	**MW-19I**	EPA 3010	838698	EPA 6010	838901
50398290003	**MW-19S**	EPA 3010	838698	EPA 6010	838901
50398290004	**DUP 8**	EPA 3010	838698	EPA 6010	838901
50398290005	**MW-20S**	EPA 3010	838698	EPA 6010	838901
50398290006	**MW-20I**	EPA 3010	838698	EPA 6010	838901
50398290007	**MW-20D**	EPA 3010	838698	EPA 6010	838901
50398290008	**DUP 9**	EPA 3010	838698	EPA 6010	838901
50398290001	**MW-19D**	EPA 200.2	838730	EPA 6020	839017
50398290002	**MW-19I**	EPA 200.2	838730	EPA 6020	839017
50398290003	**MW-19S**	EPA 200.2	838730	EPA 6020	839017
50398290004	**DUP 8**	EPA 200.2	838730	EPA 6020	839017
50398290005	**MW-20S**	EPA 200.2	838730	EPA 6020	839017
50398290006	**MW-20I**	EPA 200.2	838730	EPA 6020	839017
50398290007	**MW-20D**	EPA 200.2	838730	EPA 6020	839017
50398290008	**DUP 9**	EPA 200.2	838730	EPA 6020	839017
50398290001	**MW-19D**	EPA 7470	839079	EPA 7470	839102
50398290002	**MW-19I**	EPA 7470	839079	EPA 7470	839102
50398290003	**MW-19S**	EPA 7470	839079	EPA 7470	839102
50398290004	**DUP 8**	EPA 7470	839079	EPA 7470	839102
50398290005	**MW-20S**	EPA 7470	839079	EPA 7470	839102
50398290006	**MW-20I**	EPA 7470	839079	EPA 7470	839102
50398290007	**MW-20D**	EPA 7470	839079	EPA 7470	839102
50398290008	**DUP 9**	EPA 7470	839079	EPA 7470	839102
50398290001	**MW-19D**	EPA 903.1	739400		
50398290002	**MW-19I**	EPA 903.1	739400		
50398290003	**MW-19S**	EPA 903.1	739400		
50398290004	**DUP 8**	EPA 903.1	739400		
50398290005	**MW-20S**	EPA 903.1	739400		
50398290006	**MW-20I**	EPA 903.1	739400		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398290007	**MW-20D**	EPA 903.1	739400		
50398290008	**DUP 9**	EPA 903.1	739400		
50398290001	**MW-19D**	EPA 904.0	739401		
50398290002	**MW-19I**	EPA 904.0	739401		
50398290003	**MW-19S**	EPA 904.0	739401		
50398290004	**DUP 8**	EPA 904.0	739401		
50398290005	**MW-20S**	EPA 904.0	739401		
50398290006	**MW-20I**	EPA 904.0	739401		
50398290007	**MW-20D**	EPA 904.0	739401		
50398290008	**DUP 9**	EPA 904.0	739401		
50398290001	**MW-19D**	Total Radium Calculation	743113		
50398290002	**MW-19I**	Total Radium Calculation	743113		
50398290003	**MW-19S**	Total Radium Calculation	743113		
50398290004	**DUP 8**	Total Radium Calculation	743113		
50398290005	**MW-20S**	Total Radium Calculation	743113		
50398290006	**MW-20I**	Total Radium Calculation	743113		
50398290007	**MW-20D**	Total Radium Calculation	743113		
50398290008	**DUP 9**	Total Radium Calculation	743113		
50398290001	**MW-19D**	SM 2320B	839283		
50398290002	**MW-19I**	SM 2320B	839283		
50398290003	**MW-19S**	SM 2320B	839283		
50398290004	**DUP 8**	SM 2320B	839283		
50398290005	**MW-20S**	SM 2320B	839283		
50398290006	**MW-20I**	SM 2320B	839283		
50398290007	**MW-20D**	SM 2320B	839283		
50398290008	**DUP 9**	SM 2320B	839283		
50398290001	**MW-19D**	SM 2540C	838533		
50398290002	**MW-19I**	SM 2540C	838533		
50398290003	**MW-19S**	SM 2540C	838533		
50398290004	**DUP 8**	SM 2540C	838533		
50398290005	**MW-20S**	SM 2540C	838533		
50398290006	**MW-20I**	SM 2540C	838533		
50398290007	**MW-20D**	SM 2540C	838533		
50398290008	**DUP 9**	SM 2540C	838533		
50398290001	**MW-19D**	SM 4500-H+B	838373		
50398290002	**MW-19I**	SM 4500-H+B	838373		
50398290003	**MW-19S**	SM 4500-H+B	838373		
50398290004	**DUP 8**	SM 4500-H+B	838373		
50398290005	**MW-20S**	SM 4500-H+B	838373		
50398290006	**MW-20I**	SM 4500-H+B	838373		
50398290007	**MW-20D**	SM 4500-H+B	838373		
50398290008	**DUP 9**	SM 4500-H+B	838373		
50398290001	**MW-19D**	EPA 353.2	838324		
50398290002	**MW-19I**	EPA 353.2	838324		
50398290003	**MW-19S**	EPA 353.2	838324		
50398290004	**DUP 8**	EPA 353.2	838324		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398290005	**MW-20S**	EPA 353.2	838324		
50398290006	**MW-20I**	EPA 353.2	838324		
50398290007	**MW-20D**	EPA 353.2	838324		
50398290008	**DUP 9**	EPA 353.2	838324		
50398290001	**MW-19D**	SM 5310C	838450		
50398290002	**MW-19I**	SM 5310C	838455		
50398290003	**MW-19S**	SM 5310C	838455		
50398290004	**DUP 8**	SM 5310C	838455		
50398290005	**MW-20S**	SM 5310C	838455		
50398290006	**MW-20I**	SM 5310C	838455		
50398290007	**MW-20D**	SM 5310C	838455		
50398290008	**DUP 9**	SM 5310C	838455		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50398290

50398290

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [✓] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW-19D	GW	Grab	4/8/25	1400						X	X	X	X	X	X	X	X	X	001
MW-19I	GW			1245															002
MW-19S	GW			1115															003
DUP-8	GW			—															004
MW-20S				1500															005
MW-20I				1715															006
MW-20D				1449															007
DUP-9				—															008

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3239339

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By: (Printed Name) Mykah Bertram

Signature: Aaron Day

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp. (°C)	On Ice:
1	F	0.0	0.8	0.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	4-8-25	Pace	4/9/25 1500	
Pace	4/9/25 1605		4-9-25 930	Delivered by: [ ] In- Person [✓] Courier
			1605 041025ag	[ ] FedEX [ ] UPS [ ] Other
				Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TRH 4-9-25 1740

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E (F) G H I

2. Cooler Temperature(s): (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.1 / 1.1	0.8 / 0.8	0.9 / 0.9	1.5 / 1.5

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS Client (Pace) Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes (No) **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitro-	✓	✓ TRH
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix
								AMBER GLASS							PLASTIC									OTHER					
1												2				2	1	2	1	1									
2																													
3																													
4																													
5																													
6																													
7																													
8												↓				↓	↓	↓	↓	↓									↓
9																													
10																													
11																													
12																													

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
✓	✓		
↓	↓		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Dear Mr. Breting:

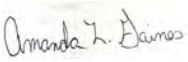
Enclosed are the analytical results for sample(s) received by the laboratory on April 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398292001	**MW-7S**	Water	04/09/25 10:00	04/09/25 15:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398292001	**MW-7S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398292001	**MW-7S**					
EPA 9056	Chloride	144	mg/L	2.5	04/11/25 03:44	
EPA 9056	Sulfate	471	mg/L	25.0	04/11/25 04:01	
EPA 6010	Boron	2550	ug/L	100	04/15/25 11:59	
EPA 6010	Calcium	248000	ug/L	2000	04/15/25 12:13	
EPA 6010	Iron	171	ug/L	100	04/15/25 11:59	
EPA 6010	Lithium	62.1	ug/L	20.0	04/15/25 11:59	
EPA 6010	Magnesium	57000	ug/L	1000	04/15/25 11:59	
EPA 6010	Manganese	119	ug/L	10.0	04/15/25 11:59	
EPA 6010	Molybdenum	18.9	ug/L	10.0	04/15/25 11:59	
EPA 6010	Potassium	7940	ug/L	1000	04/15/25 11:59	
EPA 6010	Sodium	116000	ug/L	1000	04/15/25 11:59	
EPA 6010	Molybdenum, Dissolved	18.6	ug/L	10.0	04/16/25 09:46	
EPA 6020	Antimony	2.2	ug/L	1.0	04/16/25 05:52	
EPA 6020	Barium	87.9	ug/L	1.0	04/16/25 05:52	
EPA 6020	Selenium	15.9	ug/L	1.0	04/16/25 05:52	
EPA 903.1	Radium-226	0.553 ± 0.688 (1.15) C:NA T:96%	pCi/L		04/30/25 14:56	
EPA 904.0	Radium-228	0.527 ± 0.355 (0.673) C:79% T:85%	pCi/L		04/30/25 12:17	
Total Radium Calculation	Total Radium	1.08 ± 1.04 (1.82)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	415	mg/L	10.0	04/21/25 12:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	415	mg/L	10.0	04/21/25 12:04	
SM 2540C	Total Dissolved Solids	1300	mg/L	20.0	04/14/25 08:09	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	04/10/25 11:47	H3
EPA 353.2	Nitrogen, Nitrate	5.0	mg/L	0.10	04/10/25 09:37	
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	04/11/25 04:13	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Sample: MW-7S **Lab ID: 50398292001** Collected: 04/09/25 10:00 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**144**	mg/L	2.5	1.3	10		04/11/25 03:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/11/25 03:27	16984-48-8	
Sulfate	**471**	mg/L	25.0	19.0	100		04/11/25 04:01	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2550**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 11:59	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 11:59	7440-43-9	
Calcium	**248000**	ug/L	2000	168	2	04/11/25 08:35	04/15/25 12:13	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 11:59	7440-47-3	
Iron	**171**	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 11:59	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 11:59	7439-92-1	
Lithium	**62.1**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 11:59	7439-93-2	
Magnesium	**57000**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 11:59	7439-95-4	
Manganese	**119**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 11:59	7439-96-5	
Molybdenum	**18.9**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 11:59	7439-98-7	
Potassium	**7940**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 11:59	7440-09-7	
Sodium	**116000**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 11:59	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**18.6**	ug/L	10.0	1.4	1	04/14/25 16:30	04/16/25 09:46	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**2.2**	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 05:52	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 05:52	7440-38-2	
Barium	**87.9**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 05:52	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 05:52	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 05:52	7440-48-4	
Selenium	**15.9**	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 05:52	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 05:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:40	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**415**	mg/L	10.0	10.0	1		04/21/25 12:04		
Alkalinity,Bicarbonate (CaCO3)	**415**	mg/L	10.0	10.0	1		04/21/25 12:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/21/25 12:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Sample: MW-7S **Lab ID: 50398292001** Collected: 04/09/25 10:00 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1300**	mg/L	20.0	20.0	1		04/14/25 08:09		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.1**	Std. Units	0.10	0.10	1		04/10/25 11:47		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**5.0**	mg/L	0.10	0.013	1		04/10/25 09:37	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.3**	mg/L	1.0	0.30	1		04/11/25 04:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838344
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3836257 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/10/25 17:23	
Fluoride	mg/L	ND	0.10	0.016	04/10/25 17:23	
Sulfate	mg/L	ND	0.25	0.19	04/10/25 17:23	

LABORATORY CONTROL SAMPLE: 3836258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	1.0	103	80-120	
Sulfate	mg/L	5	4.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836259 3836260

Parameter	Units	50398270007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.1	2.5	2.5	6.5	6.6	98	101	80-120	1	15	
Fluoride	mg/L	0.34	1	1	1.3	1.4	101	103	80-120	1	15	
Sulfate	mg/L	62.3	50	50	110	110	95	95	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 839079
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3839514 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/16/25 08:53	

LABORATORY CONTROL SAMPLE: 3839515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839516 3839517

Parameter	Units	50398290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.9	98	98	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838279
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3836041 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/15/25 11:04	
Cadmium	ug/L	ND	2.0	0.46	04/15/25 11:04	
Calcium	ug/L	ND	1000	83.9	04/15/25 11:04	
Chromium	ug/L	ND	10.0	0.96	04/15/25 11:04	
Iron	ug/L	ND	100	41.0	04/15/25 11:04	
Lead	ug/L	ND	10.0	2.0	04/15/25 11:04	
Lithium	ug/L	ND	20.0	3.8	04/15/25 11:04	
Magnesium	ug/L	ND	1000	53.7	04/15/25 11:04	
Manganese	ug/L	ND	10.0	0.77	04/15/25 11:04	
Molybdenum	ug/L	ND	10.0	1.4	04/15/25 11:04	
Potassium	ug/L	ND	1000	113	04/15/25 11:04	
Sodium	ug/L	ND	1000	95.0	04/15/25 11:04	

LABORATORY CONTROL SAMPLE: 3836042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	992	99	80-120	
Cadmium	ug/L	1000	970	97	80-120	
Calcium	ug/L	10000	9900	99	80-120	
Chromium	ug/L	1000	968	97	80-120	
Iron	ug/L	10000	9790	98	80-120	
Lead	ug/L	1000	948	95	80-120	
Lithium	ug/L	1000	982	98	80-120	
Magnesium	ug/L	10000	9910	99	80-120	
Manganese	ug/L	1000	971	97	80-120	
Molybdenum	ug/L	1000	990	99	80-120	
Potassium	ug/L	10000	9630	96	80-120	
Sodium	ug/L	10000	9730	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	3150	1000	1000	4200	4460	105	131	75-125	6	20	M0
Cadmium	ug/L	ND	1000	1000	982	1020	98	102	75-125	4	20	
Calcium	ug/L	86300	10000	10000	96300	103000	100	168	75-125	7	20	P6
Chromium	ug/L	ND	1000	1000	964	1020	96	102	75-125	6	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	124	10000	10000	9760	10500	96	103	75-125	7	20	
Lead	ug/L	ND	1000	1000	931	969	93	97	75-125	4	20	
Lithium	ug/L	49.3	1000	1000	1030	1070	98	102	75-125	4	20	
Magnesium	ug/L	19700	10000	10000	29400	31400	97	117	75-125	6	20	
Manganese	ug/L	290	1000	1000	1250	1330	96	104	75-125	6	20	
Molybdenum	ug/L	57.3	1000	1000	1070	1110	101	106	75-125	4	20	
Potassium	ug/L	3480	10000	10000	13300	13800	99	103	75-125	3	20	
Sodium	ug/L	65800	10000	10000	76300	79200	104	134	75-125	4	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838688
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3838118 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/16/25 08:52	

LABORATORY CONTROL SAMPLE: 3838119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838120 3838121

Parameter	Units	50398295004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1030	1020	103	102	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838730
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3838351 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/16/25 04:17	
Arsenic	ug/L	ND	1.0	0.080	04/16/25 04:17	
Barium	ug/L	ND	1.0	0.11	04/16/25 04:17	
Beryllium	ug/L	ND	0.20	0.026	04/16/25 04:17	
Cobalt	ug/L	ND	1.0	0.045	04/16/25 04:17	
Selenium	ug/L	ND	1.0	0.26	04/16/25 04:17	
Thallium	ug/L	ND	1.0	0.052	04/16/25 04:17	

LABORATORY CONTROL SAMPLE: 3838352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.7	99	80-120	
Arsenic	ug/L	40	39.2	98	80-120	
Barium	ug/L	40	39.4	98	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838353 3838354

Parameter	Units	50398290003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.7	39.6	102	99	75-125	3	20	
Arsenic	ug/L	ND	40	40	40.8	39.9	101	99	75-125	2	20	
Barium	ug/L	34.0	40	40	74.0	73.3	100	98	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.6	39.0	99	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.3	38.9	97	96	75-125	1	20	
Selenium	ug/L	1.4	40	40	41.2	41.3	99	100	75-125	0	20	
Thallium	ug/L	ND	40	40	42.3	41.4	106	104	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 839702
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3843153 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/21/25 12:04	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/21/25 12:04	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/21/25 12:04	

LABORATORY CONTROL SAMPLE: 3843154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.9	106	90-110	

SAMPLE DUPLICATE: 3843155

Parameter	Units	50398212011 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	161	177	9	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	161	177	9	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3843156

Parameter	Units	50398270007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	331	329	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	331	329	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838751
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3838408 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/14/25 08:01	

LABORATORY CONTROL SAMPLE: 3838409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	278	93	80-120	

SAMPLE DUPLICATE: 3838410

Parameter	Units	50398307017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1150	1130	2	10	

SAMPLE DUPLICATE: 3838411

Parameter	Units	50398315001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1900	1820	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838373
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50398292001

SAMPLE DUPLICATE: 3836327

Parameter	Units	50398288001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3836328

Parameter	Units	50398293003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838324
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3836192 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/10/25 09:05	

LABORATORY CONTROL SAMPLE: 3836193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836194 3836195

Parameter	Units	50398288001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	106	105	90-110	1	20	

MATRIX SPIKE SAMPLE: 3836196

Parameter	Units	50398290002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	104	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 838455
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398292001

METHOD BLANK: 3836674 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/11/25 01:38	

LABORATORY CONTROL SAMPLE: 3836675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836676 3836677

Parameter	Units	50398290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.0	10	10	11.2	10.8	101	98	80-120	3	15	

MATRIX SPIKE SAMPLE: 3836678

Parameter	Units	50398290003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.3	10	11.0	97	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Sample: MW-7S **Lab ID: 50398292001** Collected: 04/09/25 10:00 Received: 04/09/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.553 ± 0.688 (1.15) C:NA T:96%**	pCi/L	04/30/25 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.527 ± 0.355 (0.673) C:79% T:85%**	pCi/L	04/30/25 12:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.08 ± 1.04 (1.82)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 739400
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398292001

METHOD BLANK: 3598628 Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.420 ± 0.353 (0.504) C:NA T:93%	pCi/L	04/30/25 14:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

QC Batch: 739401
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398292001

METHOD BLANK: 3598629
Matrix: Water
Associated Lab Samples: 50398292001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.00723 ± 0.286 (0.665) C:81% T:88%	pCi/L	04/30/25 12:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398292

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398292001	**MW-7S**	EPA 9056	838344		
50398292001	**MW-7S**	EPA 3010	838279	EPA 6010	838956
50398292001	**MW-7S**	EPA 3010	838688	EPA 6010	839121
50398292001	**MW-7S**	EPA 200.2	838730	EPA 6020	839017
50398292001	**MW-7S**	EPA 7470	839079	EPA 7470	839102
50398292001	**MW-7S**	EPA 903.1	739400		
50398292001	**MW-7S**	EPA 904.0	739401		
50398292001	**MW-7S**	Total Radium Calculation	743113		
50398292001	**MW-7S**	SM 2320B	839702		
50398292001	**MW-7S**	SM 2540C	838751		
50398292001	**MW-7S**	SM 4500-H+B	838373		
50398292001	**MW-7S**	EPA 353.2	838324		
50398292001	**MW-7S**	SM 5310C	838455		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50398292

50398292

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment	Preservation non-conformance identified for sample.
MW-7S	GW	Grab	4/9/25	1000			9			X	X	X	X	X	X	X	X	X		

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3238786

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Aaron Day
Signature: Aaron Day

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	F	-0.1	1.3	1.2	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Aaron Day / ATLAS	4-9-25 / 1550	Pace	9/9/25 1550	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/9/25 13:49 TBH

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H (I)

2. Cooler Temperature(s): (Initial/Corrected) 1.3/1.2 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** 3332	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: (HNO3 (<2)) (H2SO4 (<2)) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												2				2	1	2	1	1											✓	✓		
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Dear Mr. Breting:

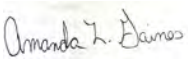
Enclosed are the analytical results for sample(s) received by the laboratory on April 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398293001	**MW-14S**	Water	04/09/25 11:21	04/09/25 15:50
50398293002	**MW-14I**	Water	04/09/25 12:05	04/09/25 15:50
50398293003	**MW-14D**	Water	04/09/25 10:17	04/09/25 15:50

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398293001	**MW-14S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398293002	**MW-14I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398293003	**MW-14D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398293001	**MW-14S**					
EPA 9056	Chloride	1.3	mg/L	0.25	04/11/25 07:25	
EPA 9056	Fluoride	0.12	mg/L	0.10	04/11/25 07:25	
EPA 9056	Sulfate	9.9	mg/L	0.25	04/11/25 07:25	
EPA 6010	Boron	234	ug/L	100	04/15/25 12:02	
EPA 6010	Calcium	90800	ug/L	1000	04/15/25 12:02	
EPA 6010	Lithium	24.0	ug/L	20.0	04/15/25 12:02	
EPA 6010	Magnesium	25000	ug/L	1000	04/15/25 12:02	
EPA 6010	Molybdenum	43.6	ug/L	10.0	04/15/25 12:02	
EPA 6010	Potassium	1990	ug/L	1000	04/15/25 12:02	
EPA 6010	Sodium	6140	ug/L	1000	04/15/25 12:02	
EPA 6010	Molybdenum, Dissolved	42.2	ug/L	10.0	04/16/25 09:48	
EPA 6020	Barium	27.2	ug/L	1.0	04/16/25 05:56	
EPA 903.1	Radium-226	0.625 ± 0.484 (0.682) C:NA T:100%	pCi/L		04/30/25 14:39	
EPA 904.0	Radium-228	0.118 ± 0.310 (0.694) C:75% T:88%	pCi/L		04/30/25 12:16	
Total Radium Calculation	Total Radium	0.743 ± 0.794 (1.38)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	313	mg/L	10.0	04/21/25 12:04	
SM 2540C	Total Dissolved Solids	316	mg/L	10.0	04/14/25 08:09	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/10/25 11:49	H3
EPA 353.2	Nitrogen, Nitrate	5.4	mg/L	0.20	04/10/25 09:52	
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	04/11/25 04:24	
50398293002	**MW-14I**					
EPA 9056	Chloride	55.6	mg/L	2.5	04/11/25 08:49	
EPA 9056	Sulfate	81.0	mg/L	2.5	04/11/25 08:49	
EPA 6010	Boron	3580	ug/L	100	04/15/25 12:04	
EPA 6010	Calcium	84000	ug/L	1000	04/15/25 12:04	
EPA 6010	Lithium	78.5	ug/L	20.0	04/15/25 12:04	
EPA 6010	Magnesium	20600	ug/L	1000	04/15/25 12:04	
EPA 6010	Molybdenum	129	ug/L	10.0	04/15/25 12:04	
EPA 6010	Potassium	4470	ug/L	1000	04/15/25 12:04	
EPA 6010	Sodium	68100	ug/L	1000	04/15/25 12:04	
EPA 6010	Molybdenum, Dissolved	125	ug/L	10.0	04/16/25 09:51	
EPA 6020	Barium	41.3	ug/L	1.0	04/16/25 06:00	
EPA 903.1	Radium-226	0.000 ± 0.527 (1.03) C:NA T:93%	pCi/L		04/30/25 14:39	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398293002	**MW-14I**					
EPA 904.0	Radium-228	0.129 ± 0.290 (0.646) C:73% T:86%	pCi/L		04/30/25 12:16	
Total Radium Calculation	Total Radium	0.129 ± 0.817 (1.68)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	282	mg/L	10.0	04/23/25 11:16	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	282	mg/L	10.0	04/23/25 11:16	
SM 2540C	Total Dissolved Solids	485	mg/L	10.0	04/14/25 08:10	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/10/25 11:50	H3
SM 5310C	Dissolved Organic Carbon	1.0	mg/L	1.0	04/11/25 04:34	
50398293003	**MW-14D**					
EPA 9056	Chloride	136	mg/L	2.5	04/11/25 09:45	
EPA 9056	Sulfate	208	mg/L	2.5	04/11/25 09:45	
EPA 6010	Boron	5250	ug/L	100	04/15/25 12:06	
EPA 6010	Calcium	131000	ug/L	1000	04/15/25 12:06	
EPA 6010	Lithium	25.8	ug/L	20.0	04/15/25 12:06	
EPA 6010	Magnesium	29100	ug/L	1000	04/15/25 12:06	
EPA 6010	Manganese	107	ug/L	10.0	04/15/25 12:06	
EPA 6010	Molybdenum	15.2	ug/L	10.0	04/15/25 12:06	
EPA 6010	Potassium	3830	ug/L	1000	04/15/25 12:06	
EPA 6010	Sodium	92600	ug/L	1000	04/15/25 12:06	
EPA 6010	Molybdenum, Dissolved	14.7	ug/L	10.0	04/16/25 09:53	
EPA 6020	Barium	22.3	ug/L	1.0	04/16/25 06:04	
EPA 903.1	Radium-226	-0.147 ± 0.460 (0.952) C:NA T:102%	pCi/L		04/30/25 14:39	
EPA 904.0	Radium-228	0.507 ± 0.315 (0.583) C:82% T:92%	pCi/L		04/30/25 12:16	
Total Radium Calculation	Total Radium	0.507 ± 0.775 (1.54)	pCi/L		05/01/25 14:18	
SM 2320B	Alkalinity, Total as CaCO3	256	mg/L	10.0	04/23/25 11:16	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	256	mg/L	10.0	04/23/25 11:16	
SM 2540C	Total Dissolved Solids	745	mg/L	10.0	04/14/25 08:11	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/10/25 11:51	H3
EPA 353.2	Nitrogen, Nitrate	0.88	mg/L	0.10	04/10/25 09:39	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	04/11/25 05:09	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14S **Lab ID: 50398293001** Collected: 04/09/25 11:21 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**1.3**	mg/L	0.25	0.13	1		04/11/25 07:25	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.016	1		04/11/25 07:25	16984-48-8	
Sulfate	**9.9**	mg/L	0.25	0.19	1		04/11/25 07:25	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**234**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 12:02	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 12:02	7440-43-9	
Calcium	**90800**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 12:02	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 12:02	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 12:02	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 12:02	7439-92-1	
Lithium	**24.0**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 12:02	7439-93-2	
Magnesium	**25000**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 12:02	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 12:02	7439-96-5	
Molybdenum	**43.6**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 12:02	7439-98-7	
Potassium	**1990**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 12:02	7440-09-7	
Sodium	**6140**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 12:02	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**42.2**	ug/L	10.0	1.4	1	04/14/25 16:30	04/16/25 09:48	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 05:56	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 05:56	7440-38-2	
Barium	**27.2**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 05:56	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 05:56	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 05:56	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 05:56	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 05:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:42	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**313**	mg/L	10.0	10.0	1		04/21/25 12:04		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/21/25 12:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/21/25 12:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14S **Lab ID: 50398293001** Collected: 04/09/25 11:21 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**316**	mg/L	10.0	10.0	1		04/14/25 08:09		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/10/25 11:49		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**5.4**	mg/L	0.20	0.026	2		04/10/25 09:52	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.30	1		04/11/25 04:24		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14I **Lab ID: 50398293002** Collected: 04/09/25 12:05 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**55.6**	mg/L	2.5	1.3	10		04/11/25 08:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/11/25 08:33	16984-48-8	
Sulfate	**81.0**	mg/L	2.5	1.9	10		04/11/25 08:49	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3580**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 12:04	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 12:04	7440-43-9	
Calcium	**84000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 12:04	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 12:04	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 12:04	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 12:04	7439-92-1	
Lithium	**78.5**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 12:04	7439-93-2	
Magnesium	**20600**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 12:04	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 12:04	7439-96-5	
Molybdenum	**129**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 12:04	7439-98-7	
Potassium	**4470**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 12:04	7440-09-7	
Sodium	**68100**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 12:04	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**125**	ug/L	10.0	1.4	1	04/14/25 16:30	04/16/25 09:51	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 06:00	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 06:00	7440-38-2	
Barium	**41.3**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 06:00	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 06:00	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 06:00	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 06:00	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 06:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:45	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**282**	mg/L	10.0	10.0	1		04/23/25 11:16		
Alkalinity,Bicarbonate (CaCO3)	**282**	mg/L	10.0	10.0	1		04/23/25 11:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 11:16		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14I **Lab ID: 50398293002** Collected: 04/09/25 12:05 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**485**	mg/L	10.0	10.0	1		04/14/25 08:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/10/25 11:50		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/10/25 09:53	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.0**	mg/L	1.0	0.30	1		04/11/25 04:34		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14D **Lab ID: 50398293003** Collected: 04/09/25 10:17 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**136**	mg/L	2.5	1.3	10		04/11/25 09:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/11/25 09:25	16984-48-8	
Sulfate	**208**	mg/L	2.5	1.9	10		04/11/25 09:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**5250**	ug/L	100	5.6	1	04/11/25 08:35	04/15/25 12:06	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:35	04/15/25 12:06	7440-43-9	
Calcium	**131000**	ug/L	1000	83.9	1	04/11/25 08:35	04/15/25 12:06	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:35	04/15/25 12:06	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:35	04/15/25 12:06	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:35	04/15/25 12:06	7439-92-1	
Lithium	**25.8**	ug/L	20.0	3.8	1	04/11/25 08:35	04/15/25 12:06	7439-93-2	
Magnesium	**29100**	ug/L	1000	53.7	1	04/11/25 08:35	04/15/25 12:06	7439-95-4	
Manganese	**107**	ug/L	10.0	0.77	1	04/11/25 08:35	04/15/25 12:06	7439-96-5	
Molybdenum	**15.2**	ug/L	10.0	1.4	1	04/11/25 08:35	04/15/25 12:06	7439-98-7	
Potassium	**3830**	ug/L	1000	113	1	04/11/25 08:35	04/15/25 12:06	7440-09-7	
Sodium	**92600**	ug/L	1000	95.0	1	04/11/25 08:35	04/15/25 12:06	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**14.7**	ug/L	10.0	1.4	1	04/14/25 16:30	04/16/25 09:53	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 06:04	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 06:04	7440-38-2	
Barium	**22.3**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 06:04	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 06:04	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 06:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 06:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 06:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/15/25 21:11	04/16/25 09:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**256**	mg/L	10.0	10.0	1		04/23/25 11:16		
Alkalinity,Bicarbonate (CaCO3)	**256**	mg/L	10.0	10.0	1		04/23/25 11:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 11:16		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14D **Lab ID: 50398293003** Collected: 04/09/25 10:17 Received: 04/09/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**745**	mg/L	10.0	10.0	1		04/14/25 08:11		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/10/25 11:51		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.88**	mg/L	0.10	0.013	1		04/10/25 09:39	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.30	1		04/11/25 05:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838337
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3836233 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/11/25 10:23	
Fluoride	mg/L	ND	0.10	0.016	04/11/25 10:23	
Sulfate	mg/L	ND	0.25	0.19	04/11/25 10:23	

LABORATORY CONTROL SAMPLE: 3836234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	96	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836235 3836236

Parameter	Units	50398108002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.5	2.5	2.5	3.8	3.9	94	96	80-120	1	15	
Fluoride	mg/L	0.12	1	1	1.0	1.1	92	93	80-120	2	15	
Sulfate	mg/L	7.5	5	5	12.1	12.2	91	93	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 839079
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3839514 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/16/25 08:53	

LABORATORY CONTROL SAMPLE: 3839515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839516 3839517

Parameter	Units	50398290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.9	98	98	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838279
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3836041 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/15/25 11:04	
Cadmium	ug/L	ND	2.0	0.46	04/15/25 11:04	
Calcium	ug/L	ND	1000	83.9	04/15/25 11:04	
Chromium	ug/L	ND	10.0	0.96	04/15/25 11:04	
Iron	ug/L	ND	100	41.0	04/15/25 11:04	
Lead	ug/L	ND	10.0	2.0	04/15/25 11:04	
Lithium	ug/L	ND	20.0	3.8	04/15/25 11:04	
Magnesium	ug/L	ND	1000	53.7	04/15/25 11:04	
Manganese	ug/L	ND	10.0	0.77	04/15/25 11:04	
Molybdenum	ug/L	ND	10.0	1.4	04/15/25 11:04	
Potassium	ug/L	ND	1000	113	04/15/25 11:04	
Sodium	ug/L	ND	1000	95.0	04/15/25 11:04	

LABORATORY CONTROL SAMPLE: 3836042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	992	99	80-120	
Cadmium	ug/L	1000	970	97	80-120	
Calcium	ug/L	10000	9900	99	80-120	
Chromium	ug/L	1000	968	97	80-120	
Iron	ug/L	10000	9790	98	80-120	
Lead	ug/L	1000	948	95	80-120	
Lithium	ug/L	1000	982	98	80-120	
Magnesium	ug/L	10000	9910	99	80-120	
Manganese	ug/L	1000	971	97	80-120	
Molybdenum	ug/L	1000	990	99	80-120	
Potassium	ug/L	10000	9630	96	80-120	
Sodium	ug/L	10000	9730	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	3150	1000	1000	4200	4460	105	131	75-125	6	20	M0
Cadmium	ug/L	ND	1000	1000	982	1020	98	102	75-125	4	20	
Calcium	ug/L	86300	10000	10000	96300	103000	100	168	75-125	7	20	P6
Chromium	ug/L	ND	1000	1000	964	1020	96	102	75-125	6	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836043 3836044

Parameter	Units	50398290001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	124	10000	10000	9760	10500	96	103	75-125	7	20	
Lead	ug/L	ND	1000	1000	931	969	93	97	75-125	4	20	
Lithium	ug/L	49.3	1000	1000	1030	1070	98	102	75-125	4	20	
Magnesium	ug/L	19700	10000	10000	29400	31400	97	117	75-125	6	20	
Manganese	ug/L	290	1000	1000	1250	1330	96	104	75-125	6	20	
Molybdenum	ug/L	57.3	1000	1000	1070	1110	101	106	75-125	4	20	
Potassium	ug/L	3480	10000	10000	13300	13800	99	103	75-125	3	20	
Sodium	ug/L	65800	10000	10000	76300	79200	104	134	75-125	4	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838688
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3838118 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/16/25 08:52	

LABORATORY CONTROL SAMPLE: 3838119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838120 3838121

Parameter	Units	50398295004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1030	1020	103	102	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838730
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3838351 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/16/25 04:17	
Arsenic	ug/L	ND	1.0	0.080	04/16/25 04:17	
Barium	ug/L	ND	1.0	0.11	04/16/25 04:17	
Beryllium	ug/L	ND	0.20	0.026	04/16/25 04:17	
Cobalt	ug/L	ND	1.0	0.045	04/16/25 04:17	
Selenium	ug/L	ND	1.0	0.26	04/16/25 04:17	
Thallium	ug/L	ND	1.0	0.052	04/16/25 04:17	

LABORATORY CONTROL SAMPLE: 3838352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.7	99	80-120	
Arsenic	ug/L	40	39.2	98	80-120	
Barium	ug/L	40	39.4	98	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838353 3838354

Parameter	Units	50398290003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.7	39.6	102	99	75-125	3	20	
Arsenic	ug/L	ND	40	40	40.8	39.9	101	99	75-125	2	20	
Barium	ug/L	34.0	40	40	74.0	73.3	100	98	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.6	39.0	99	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.3	38.9	97	96	75-125	1	20	
Selenium	ug/L	1.4	40	40	41.2	41.3	99	100	75-125	0	20	
Thallium	ug/L	ND	40	40	42.3	41.4	106	104	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 839702
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50398293001

METHOD BLANK: 3843153 Matrix: Water
Associated Lab Samples: 50398293001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/21/25 12:04	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/21/25 12:04	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/21/25 12:04	

LABORATORY CONTROL SAMPLE: 3843154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.9	106	90-110	

SAMPLE DUPLICATE: 3843155

Parameter	Units	50398212011 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	161	177	9	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	161	177	9	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3843156

Parameter	Units	50398270007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	331	329	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	331	329	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 840044
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293002, 50398293003

METHOD BLANK: 3844415 Matrix: Water
Associated Lab Samples: 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/23/25 11:16	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 11:16	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 11:16	

LABORATORY CONTROL SAMPLE: 3844416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.6	99	90-110	

SAMPLE DUPLICATE: 3844417

Parameter	Units	50398293002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	282	279	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	282	279	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3844418

Parameter	Units	50398317001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	338	343	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	338	343	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838751 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3838408 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/14/25 08:01	

LABORATORY CONTROL SAMPLE: 3838409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	278	93	80-120	

SAMPLE DUPLICATE: 3838410

Parameter	Units	50398307017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1150	1130	2	10	

SAMPLE DUPLICATE: 3838411

Parameter	Units	50398315001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1900	1820	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838373
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

SAMPLE DUPLICATE: 3836327

Parameter	Units	50398288001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3836328

Parameter	Units	50398293003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838324
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3836192 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/10/25 09:05	

LABORATORY CONTROL SAMPLE: 3836193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836194 3836195

Parameter	Units	50398288001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	106	105	90-110	1	20	

MATRIX SPIKE SAMPLE: 3836196

Parameter	Units	50398290002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	104	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 838455
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3836674 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/11/25 01:38	

LABORATORY CONTROL SAMPLE: 3836675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3836676 3836677

Parameter	Units	50398290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.0	10	10	11.2	10.8	101	98	80-120	3	15	

MATRIX SPIKE SAMPLE: 3836678

Parameter	Units	50398290003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.3	10	11.0	97	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14S **Lab ID: 50398293001** Collected: 04/09/25 11:21 Received: 04/09/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.625 ± 0.484 (0.682) C:NA T:100%**	pCi/L	04/30/25 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.118 ± 0.310 (0.694) C:75% T:88%**	pCi/L	04/30/25 12:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.743 ± 0.794 (1.38)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14I **Lab ID: 50398293002** Collected: 04/09/25 12:05 Received: 04/09/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.527 (1.03) C:NA T:93%**	pCi/L	04/30/25 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.129 ± 0.290 (0.646) C:73% T:86%**	pCi/L	04/30/25 12:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.129 ± 0.817 (1.68)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Sample: MW-14D **Lab ID: 50398293003** Collected: 04/09/25 10:17 Received: 04/09/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.147 ± 0.460 (0.952) C:NA T:102%**	pCi/L	04/30/25 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.507 ± 0.315 (0.583) C:82% T:92%**	pCi/L	04/30/25 12:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.507 ± 0.775 (1.54)**	pCi/L	05/01/25 14:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 739400 | Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 | Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3598628 Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.420 ± 0.353 (0.504) C:NA T:93%	pCi/L	04/30/25 14:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

QC Batch: 739401
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398293001, 50398293002, 50398293003

METHOD BLANK: 3598629
Matrix: Water
Associated Lab Samples: 50398293001, 50398293002, 50398293003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.00723 ± 0.286 (0.665) C:81% T:88%	pCi/L	04/30/25 12:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398293

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398293001	**MW-14S**	EPA 9056	838337		
50398293002	**MW-14I**	EPA 9056	838337		
50398293003	**MW-14D**	EPA 9056	838337		
50398293001	**MW-14S**	EPA 3010	838279	EPA 6010	838956
50398293002	**MW-14I**	EPA 3010	838279	EPA 6010	838956
50398293003	**MW-14D**	EPA 3010	838279	EPA 6010	838956
50398293001	**MW-14S**	EPA 3010	838688	EPA 6010	839121
50398293002	**MW-14I**	EPA 3010	838688	EPA 6010	839121
50398293003	**MW-14D**	EPA 3010	838688	EPA 6010	839121
50398293001	**MW-14S**	EPA 200.2	838730	EPA 6020	839017
50398293002	**MW-14I**	EPA 200.2	838730	EPA 6020	839017
50398293003	**MW-14D**	EPA 200.2	838730	EPA 6020	839017
50398293001	**MW-14S**	EPA 7470	839079	EPA 7470	839102
50398293002	**MW-14I**	EPA 7470	839079	EPA 7470	839102
50398293003	**MW-14D**	EPA 7470	839079	EPA 7470	839102
50398293001	**MW-14S**	EPA 903.1	739400		
50398293002	**MW-14I**	EPA 903.1	739400		
50398293003	**MW-14D**	EPA 903.1	739400		
50398293001	**MW-14S**	EPA 904.0	739401		
50398293002	**MW-14I**	EPA 904.0	739401		
50398293003	**MW-14D**	EPA 904.0	739401		
50398293001	**MW-14S**	Total Radium Calculation	743113		
50398293002	**MW-14I**	Total Radium Calculation	743113		
50398293003	**MW-14D**	Total Radium Calculation	743113		
50398293001	**MW-14S**	SM 2320B	839702		
50398293002	**MW-14I**	SM 2320B	840044		
50398293003	**MW-14D**	SM 2320B	840044		
50398293001	**MW-14S**	SM 2540C	838751		
50398293002	**MW-14I**	SM 2540C	838751		
50398293003	**MW-14D**	SM 2540C	838751		
50398293001	**MW-14S**	SM 4500-H+B	838373		
50398293002	**MW-14I**	SM 4500-H+B	838373		
50398293003	**MW-14D**	SM 4500-H+B	838373		
50398293001	**MW-14S**	EPA 353.2	838324		
50398293002	**MW-14I**	EPA 353.2	838324		
50398293003	**MW-14D**	EPA 353.2	838324		
50398293001	**MW-14S**	SM 5310C	838455		
50398293002	**MW-14I**	SM 5310C	838455		
50398293003	**MW-14D**	SM 5310C	838455		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50398293

50398293

Here

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA		Sample Comment
MW-14S	GW	Grab	4-9-25	1121			9			X	X	X	X	X	X	X	X	X		001
MW-14I	GW	Grab	4-9-25	1205			9			X	X	X	X	X	X	X	X	X		002
MW-14D	GW	Grab	4-9-25	1017			9			X	X	X	X	X	X	X	X	X		003

Lab Use Only

Proj. Mgr: **Amanda Gaines**

AcctNum / Client ID:

Table #:

Profile / Template: **10498/69**

Prelog / Bottle Ord. ID: **EZ 3239337**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Aaron Day / Mykah Bertram
Signature: Aaron Day /

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	I	-0.1	1.3	1.2	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Aaron Day / ATLAS	4-9-25 / 1550	Tara Hunt Pace	4/9/25 1550	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [X] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/9/25 18:49 TBH

1. Thermometer:	1 2 3 4 5 6 7 8 9 A B C D E F G H (1)				
2. Cooler Temperature(s): (Initial/Corrected)	1.3/1.2				

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** 3332	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** **(HNO3 (<2))** **(H2SO4 (<2))** **NaOH (>10)** **NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details			✓
Trip Blank Present?			
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																															HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1																													✓	✓		
2																													↓	↓		
3																													↓	↓		
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Dear Mr. Breting:

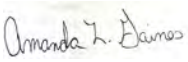
Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398359001	**MW-6S**	Water	04/10/25 11:20	04/10/25 14:00
50398359002	**MW-6I**	Water	04/10/25 13:10	04/10/25 14:00
50398359003	**MW-6D**	Water	04/10/25 10:20	04/10/25 14:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398359001	**MW-6S**	EPA 9056	GLT	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398359002	**MW-6I**	EPA 9056	GLT	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398359003	**MW-6D**	EPA 9056	GLT	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398359001	**MW-6S**					
EPA 9056	Chloride	24.2	mg/L	2.5	04/11/25 18:17	
EPA 9056	Fluoride	0.29	mg/L	0.10	04/11/25 18:00	
EPA 9056	Sulfate	32.2	mg/L	0.25	04/11/25 18:00	
EPA 6010	Boron	488	ug/L	100	04/14/25 10:24	
EPA 6010	Calcium	73100	ug/L	1000	04/14/25 10:24	
EPA 6010	Lithium	21.2	ug/L	20.0	04/14/25 10:24	
EPA 6010	Magnesium	19300	ug/L	1000	04/14/25 10:24	
EPA 6010	Molybdenum	86.1	ug/L	10.0	04/14/25 10:24	
EPA 6010	Potassium	2350	ug/L	1000	04/14/25 10:24	
EPA 6010	Sodium	17100	ug/L	1000	04/14/25 10:24	
EPA 6010	Molybdenum, Dissolved	85.8	ug/L	10.0	04/15/25 12:59	
EPA 6020	Barium	33.0	ug/L	1.0	04/16/25 06:23	
EPA 6020	Selenium	2.9	ug/L	1.0	04/16/25 06:23	
EPA 903.1	Radium-226	1.65 ± 0.674 (0.592) C:NA T:97%	pCi/L		05/01/25 14:58	
EPA 904.0	Radium-228	-0.0746 ± 0.382 (0.900) C:82% T:90%	pCi/L		05/01/25 14:47	
Total Radium Calculation	Total Radium	1.65 ± 1.06 (1.49)	pCi/L		05/06/25 17:09	
SM 2320B	Alkalinity, Total as CaCO3	232	mg/L	10.0	04/23/25 12:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	232	mg/L	10.0	04/23/25 12:28	
SM 2540C	Total Dissolved Solids	298	mg/L	10.0	04/14/25 09:19	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/14/25 11:19	H3
EPA 353.2	Nitrogen, Nitrate	0.60	mg/L	0.10	04/11/25 09:04	
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	04/12/25 18:54	
50398359002	**MW-6I**					
EPA 9056	Chloride	72.3	mg/L	2.5	04/11/25 19:09	
EPA 9056	Fluoride	0.23	mg/L	0.10	04/11/25 18:52	
EPA 9056	Sulfate	120	mg/L	2.5	04/11/25 19:09	
EPA 6010	Boron	1600	ug/L	100	04/14/25 10:34	
EPA 6010	Calcium	135000	ug/L	1000	04/14/25 10:34	
EPA 6010	Lithium	117	ug/L	20.0	04/14/25 10:34	
EPA 6010	Magnesium	32800	ug/L	1000	04/14/25 10:34	
EPA 6010	Manganese	58.2	ug/L	10.0	04/14/25 10:34	
EPA 6010	Molybdenum	115	ug/L	10.0	04/14/25 10:34	
EPA 6010	Potassium	12800	ug/L	1000	04/14/25 10:34	
EPA 6010	Sodium	73000	ug/L	1000	04/14/25 10:34	
EPA 6010	Molybdenum, Dissolved	115	ug/L	10.0	04/15/25 13:01	
EPA 6020	Barium	75.5	ug/L	1.0	04/16/25 06:27	
EPA 903.1	Radium-226	0.814 ± 0.725 (1.14) C:NA T:100%	pCi/L		05/01/25 14:58	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398359002	**MW-6I**					
EPA 904.0	Radium-228	0.667 ± 0.471 (0.922) C:90% T:85%	pCi/L		05/01/25 14:47	
Total Radium Calculation	Total Radium	1.48 ± 1.20 (2.06)	pCi/L		05/06/25 17:09	
SM 2320B	Alkalinity, Total as CaCO3	414	mg/L	10.0	04/23/25 12:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	414	mg/L	10.0	04/23/25 12:28	
SM 2540C	Total Dissolved Solids	706	mg/L	10.0	04/14/25 09:19	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/14/25 11:20	H3
50398359003	**MW-6D**					
EPA 9056	Chloride	101	mg/L	2.5	04/11/25 20:35	
EPA 9056	Fluoride	0.16	mg/L	0.10	04/11/25 20:17	
EPA 9056	Sulfate	90.8	mg/L	2.5	04/11/25 20:35	
EPA 6010	Boron	1090	ug/L	100	04/14/25 10:36	
EPA 6010	Calcium	88300	ug/L	1000	04/14/25 10:36	
EPA 6010	Iron	128	ug/L	100	04/14/25 10:36	
EPA 6010	Lithium	78.3	ug/L	20.0	04/14/25 10:36	
EPA 6010	Magnesium	16900	ug/L	1000	04/14/25 10:36	
EPA 6010	Manganese	340	ug/L	10.0	04/14/25 10:36	
EPA 6010	Molybdenum	187	ug/L	10.0	04/14/25 10:36	
EPA 6010	Potassium	5940	ug/L	1000	04/14/25 10:36	
EPA 6010	Sodium	72100	ug/L	1000	04/14/25 10:36	
EPA 6010	Molybdenum, Dissolved	184	ug/L	10.0	04/15/25 13:03	
EPA 6020	Barium	69.2	ug/L	1.0	04/16/25 06:31	
EPA 903.1	Radium-226	0.592 ± 0.787 (1.32) C:NA T:89%	pCi/L		05/01/25 14:58	
EPA 904.0	Radium-228	0.442 ± 0.373 (0.745) C:77% T:89%	pCi/L		05/01/25 14:47	
Total Radium Calculation	Total Radium	1.03 ± 1.16 (2.07)	pCi/L		05/06/25 17:09	
SM 2320B	Alkalinity, Total as CaCO3	231	mg/L	10.0	04/23/25 12:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	231	mg/L	10.0	04/23/25 12:28	
SM 2540C	Total Dissolved Solids	516	mg/L	10.0	04/14/25 09:20	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/14/25 11:25	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6S **Lab ID: 50398359001** Collected: 04/10/25 11:20 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**24.2**	mg/L	2.5	1.3	10		04/11/25 18:17	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.016	1		04/11/25 18:00	16984-48-8	
Sulfate	**32.2**	mg/L	0.25	0.19	1		04/11/25 18:00	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**488**	ug/L	100	5.6	1	04/11/25 08:10	04/14/25 10:24	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:10	04/14/25 10:24	7440-43-9	
Calcium	**73100**	ug/L	1000	83.9	1	04/11/25 08:10	04/14/25 10:24	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:10	04/14/25 10:24	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:10	04/14/25 10:24	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:10	04/14/25 10:24	7439-92-1	
Lithium	**21.2**	ug/L	20.0	3.8	1	04/11/25 08:10	04/14/25 10:24	7439-93-2	
Magnesium	**19300**	ug/L	1000	53.7	1	04/11/25 08:10	04/14/25 10:24	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/11/25 08:10	04/14/25 10:24	7439-96-5	
Molybdenum	**86.1**	ug/L	10.0	1.4	1	04/11/25 08:10	04/14/25 10:24	7439-98-7	
Potassium	**2350**	ug/L	1000	113	1	04/11/25 08:10	04/14/25 10:24	7440-09-7	
Sodium	**17100**	ug/L	1000	95.0	1	04/11/25 08:10	04/14/25 10:24	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**85.8**	ug/L	10.0	1.4	1	04/14/25 16:31	04/15/25 12:59	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 06:23	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 06:23	7440-38-2	
Barium	**33.0**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 06:23	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 06:23	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 06:23	7440-48-4	
Selenium	**2.9**	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 06:23	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 06:23	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/16/25 19:35	04/17/25 09:02	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**232**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Bicarbonate (CaCO3)	**232**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 12:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6S **Lab ID: 50398359001** Collected: 04/10/25 11:20 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**298**	mg/L	10.0	10.0	1		04/14/25 09:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/14/25 11:19		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.60**	mg/L	0.10	0.013	1		04/11/25 09:04	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.9**	mg/L	1.0	0.30	1		04/12/25 18:54		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6I **Lab ID: 50398359002** Collected: 04/10/25 13:10 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**72.3**	mg/L	2.5	1.3	10		04/11/25 19:09	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.016	1		04/11/25 18:52	16984-48-8	
Sulfate	**120**	mg/L	2.5	1.9	10		04/11/25 19:09	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1600**	ug/L	100	5.6	1	04/11/25 08:10	04/14/25 10:34	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:10	04/14/25 10:34	7440-43-9	
Calcium	**135000**	ug/L	1000	83.9	1	04/11/25 08:10	04/14/25 10:34	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:10	04/14/25 10:34	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:10	04/14/25 10:34	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:10	04/14/25 10:34	7439-92-1	
Lithium	**117**	ug/L	20.0	3.8	1	04/11/25 08:10	04/14/25 10:34	7439-93-2	
Magnesium	**32800**	ug/L	1000	53.7	1	04/11/25 08:10	04/14/25 10:34	7439-95-4	
Manganese	**58.2**	ug/L	10.0	0.77	1	04/11/25 08:10	04/14/25 10:34	7439-96-5	
Molybdenum	**115**	ug/L	10.0	1.4	1	04/11/25 08:10	04/14/25 10:34	7439-98-7	
Potassium	**12800**	ug/L	1000	113	1	04/11/25 08:10	04/14/25 10:34	7440-09-7	
Sodium	**73000**	ug/L	1000	95.0	1	04/11/25 08:10	04/14/25 10:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**115**	ug/L	10.0	1.4	1	04/14/25 16:31	04/15/25 13:01	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 06:27	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 06:27	7440-38-2	
Barium	**75.5**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 06:27	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 06:27	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 06:27	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 06:27	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 06:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/16/25 19:35	04/17/25 09:10	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**414**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Bicarbonate (CaCO3)	**414**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 12:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6I **Lab ID: 50398359002** Collected: 04/10/25 13:10 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**706**	mg/L	10.0	10.0	1		04/14/25 09:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/14/25 11:20		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/11/25 09:08	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/12/25 19:20		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6D **Lab ID: 50398359003** Collected: 04/10/25 10:20 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**101**	mg/L	2.5	1.3	10		04/11/25 20:35	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.016	1		04/11/25 20:17	16984-48-8	
Sulfate	**90.8**	mg/L	2.5	1.9	10		04/11/25 20:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1090**	ug/L	100	5.6	1	04/11/25 08:10	04/14/25 10:36	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:10	04/14/25 10:36	7440-43-9	
Calcium	**88300**	ug/L	1000	83.9	1	04/11/25 08:10	04/14/25 10:36	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:10	04/14/25 10:36	7440-47-3	
Iron	**128**	ug/L	100	41.0	1	04/11/25 08:10	04/14/25 10:36	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:10	04/14/25 10:36	7439-92-1	
Lithium	**78.3**	ug/L	20.0	3.8	1	04/11/25 08:10	04/14/25 10:36	7439-93-2	
Magnesium	**16900**	ug/L	1000	53.7	1	04/11/25 08:10	04/14/25 10:36	7439-95-4	
Manganese	**340**	ug/L	10.0	0.77	1	04/11/25 08:10	04/14/25 10:36	7439-96-5	
Molybdenum	**187**	ug/L	10.0	1.4	1	04/11/25 08:10	04/14/25 10:36	7439-98-7	
Potassium	**5940**	ug/L	1000	113	1	04/11/25 08:10	04/14/25 10:36	7440-09-7	
Sodium	**72100**	ug/L	1000	95.0	1	04/11/25 08:10	04/14/25 10:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**184**	ug/L	10.0	1.4	1	04/14/25 16:31	04/15/25 13:03	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 06:31	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 06:31	7440-38-2	
Barium	**69.2**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 06:31	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/16/25 06:31	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 06:31	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 06:31	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 06:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/16/25 19:35	04/17/25 09:12	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**231**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Bicarbonate (CaCO3)	**231**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 12:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6D **Lab ID: 50398359003** Collected: 04/10/25 10:20 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**516**	mg/L	10.0	10.0	1		04/14/25 09:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/14/25 11:25		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/11/25 09:02	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/12/25 19:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838516
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3837107 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/11/25 11:25	
Fluoride	mg/L	ND	0.10	0.016	04/11/25 11:25	
Sulfate	mg/L	ND	0.25	0.19	04/11/25 11:25	

LABORATORY CONTROL SAMPLE: 3837108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	1.0	100	80-120	
Sulfate	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837260 3837261

Parameter	Units	50398360002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	61.5	25	25	84.5	82.7	92	85	80-120	2	15	
Fluoride	mg/L	ND	1	1	1.1	1.2	106	109	80-120	2	15	
Sulfate	mg/L	92.3	50	50	137	135	90	85	80-120	2	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 839257
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3840236 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/17/25 08:23	

LABORATORY CONTROL SAMPLE: 3840237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840238 3840239

Parameter	Units	50398335002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.9	97	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838491
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3837039 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/14/25 09:39	
Cadmium	ug/L	ND	2.0	0.46	04/14/25 09:39	
Calcium	ug/L	ND	1000	83.9	04/14/25 09:39	
Chromium	ug/L	ND	10.0	0.96	04/14/25 09:39	
Iron	ug/L	ND	100	41.0	04/14/25 09:39	
Lead	ug/L	ND	10.0	2.0	04/14/25 09:39	
Lithium	ug/L	ND	20.0	3.8	04/14/25 09:39	
Magnesium	ug/L	ND	1000	53.7	04/14/25 09:39	
Manganese	ug/L	ND	10.0	0.77	04/14/25 09:39	
Molybdenum	ug/L	ND	10.0	1.4	04/14/25 09:39	
Potassium	ug/L	ND	1000	113	04/14/25 09:39	
Sodium	ug/L	ND	1000	95.0	04/14/25 09:39	

LABORATORY CONTROL SAMPLE: 3837040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	972	97	80-120	
Cadmium	ug/L	1000	977	98	80-120	
Calcium	ug/L	10000	9950	100	80-120	
Chromium	ug/L	1000	979	98	80-120	
Iron	ug/L	10000	9870	99	80-120	
Lead	ug/L	1000	954	95	80-120	
Lithium	ug/L	1000	977	98	80-120	
Magnesium	ug/L	10000	9850	98	80-120	
Manganese	ug/L	1000	981	98	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9970	100	80-120	
Sodium	ug/L	10000	9760	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837041 3837042

Parameter	Units	50398381001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	1.7 mg/L	1000	1000	2760	2730	106	103	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	982	979	98	98	75-125	0	20	
Calcium	ug/L	125 mg/L	10000	10000	136000	134000	109	95	75-125	1	20	
Chromium	ug/L	ND	1000	1000	979	983	98	98	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837041 3837042

Parameter	Units	50398381001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9790	9730	98	97	75-125	1	20	
Lead	ug/L	ND	1000	1000	931	932	93	93	75-125	0	20	
Lithium	ug/L	ND	1000	1000	980	978	96	96	75-125	0	20	
Magnesium	ug/L	30.6 mg/L	10000	10000	40800	40500	102	99	75-125	1	20	
Manganese	ug/L	ND	1000	1000	975	967	97	97	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1030	1030	102	102	75-125	0	20	
Potassium	ug/L	3.5 mg/L	10000	10000	13200	13200	96	97	75-125	0	20	
Sodium	ug/L	21.7 mg/L	10000	10000	31200	31200	95	95	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838700
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3838218 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/15/25 12:20	

LABORATORY CONTROL SAMPLE: 3838219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1060	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838220 3838221

Parameter	Units	50398463005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1070	1030	107	102	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838730
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3838351 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/16/25 04:17	
Arsenic	ug/L	ND	1.0	0.080	04/16/25 04:17	
Barium	ug/L	ND	1.0	0.11	04/16/25 04:17	
Beryllium	ug/L	ND	0.20	0.026	04/16/25 04:17	
Cobalt	ug/L	ND	1.0	0.045	04/16/25 04:17	
Selenium	ug/L	ND	1.0	0.26	04/16/25 04:17	
Thallium	ug/L	ND	1.0	0.052	04/16/25 04:17	

LABORATORY CONTROL SAMPLE: 3838352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.7	99	80-120	
Arsenic	ug/L	40	39.2	98	80-120	
Barium	ug/L	40	39.4	98	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838353 3838354

Parameter	Units	50398290003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.7	39.6	102	99	75-125	3	20	
Arsenic	ug/L	ND	40	40	40.8	39.9	101	99	75-125	2	20	
Barium	ug/L	34.0	40	40	74.0	73.3	100	98	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.6	39.0	99	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.3	38.9	97	96	75-125	1	20	
Selenium	ug/L	1.4	40	40	41.2	41.3	99	100	75-125	0	20	
Thallium	ug/L	ND	40	40	42.3	41.4	106	104	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 840045
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3844419 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/23/25 12:28	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 12:28	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 12:28	

LABORATORY CONTROL SAMPLE: 3844420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	90-110	

SAMPLE DUPLICATE: 3844421

Parameter	Units	50398359001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	232	232	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	232	232	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3844422

Parameter	Units	50398359002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	414	413	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	414	413	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838752 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3838412 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/14/25 08:54	

LABORATORY CONTROL SAMPLE: 3838413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3838637

Parameter	Units	50398310001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1020	988	3	10	

SAMPLE DUPLICATE: 3838644

Parameter	Units	50398310002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	960	962	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838758
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

SAMPLE DUPLICATE: 3838427

Parameter	Units	50398132001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.5	2	2	H3

SAMPLE DUPLICATE: 3838428

Parameter	Units	50398585001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.5	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838519
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3837113 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/11/25 08:32	

LABORATORY CONTROL SAMPLE: 3837114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837115 3837116

Parameter	Units	50398408038 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	1.1	1	1	2.2	2.2	115	115	90-110	0	20	H1

MATRIX SPIKE SAMPLE: 3837122

Parameter	Units	50398366016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	105	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 838597 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3837432 Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/12/25 10:28	

LABORATORY CONTROL SAMPLE: 3837433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837434 3837435

Parameter	Units	50398215001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.9	10	10	13.3	13.6	104	107	80-120	2	15	

MATRIX SPIKE SAMPLE: 3837436

Parameter	Units	50398215002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	3.7	10	14.2	106	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6S **Lab ID: 50398359001** Collected: 04/10/25 11:20 Received: 04/10/25 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.65 ± 0.674 (0.592) C:NA T:97%**	pCi/L	05/01/25 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.0746 ± 0.382 (0.900) C:82% T:90%**	pCi/L	05/01/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.65 ± 1.06 (1.49)**	pCi/L	05/06/25 17:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6I **Lab ID: 50398359002** Collected: 04/10/25 13:10 Received: 04/10/25 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.814 ± 0.725 (1.14) C:NA T:100%**	pCi/L	05/01/25 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.667 ± 0.471 (0.922) C:90% T:85%**	pCi/L	05/01/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.48 ± 1.20 (2.06)**	pCi/L	05/06/25 17:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Sample: MW-6D **Lab ID: 50398359003** Collected: 04/10/25 10:20 Received: 04/10/25 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.592 ± 0.787 (1.32) C:NA T:89%**	pCi/L	05/01/25 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.442 ± 0.373 (0.745) C:77% T:89%**	pCi/L	05/01/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.03 ± 1.16 (2.07)**	pCi/L	05/06/25 17:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 739708
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3600080
Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.192 (0.391) C:NA T:99%	pCi/L	05/01/25 14:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

QC Batch: 739709
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398359001, 50398359002, 50398359003

METHOD BLANK: 3600081
Matrix: Water
Associated Lab Samples: 50398359001, 50398359002, 50398359003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0439 ± 0.296 (0.682) C:80% T:91%	pCi/L	05/01/25 14:47	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the recognized method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398359

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398359001	**MW-6S**	EPA 9056	838516		
50398359002	**MW-6I**	EPA 9056	838516		
50398359003	**MW-6D**	EPA 9056	838516		
50398359001	**MW-6S**	EPA 3010	838491	EPA 6010	838789
50398359002	**MW-6I**	EPA 3010	838491	EPA 6010	838789
50398359003	**MW-6D**	EPA 3010	838491	EPA 6010	838789
50398359001	**MW-6S**	EPA 3010	838700	EPA 6010	838971
50398359002	**MW-6I**	EPA 3010	838700	EPA 6010	838971
50398359003	**MW-6D**	EPA 3010	838700	EPA 6010	838971
50398359001	**MW-6S**	EPA 200.2	838730	EPA 6020	839017
50398359002	**MW-6I**	EPA 200.2	838730	EPA 6020	839017
50398359003	**MW-6D**	EPA 200.2	838730	EPA 6020	839017
50398359001	**MW-6S**	EPA 7470	839257	EPA 7470	839281
50398359002	**MW-6I**	EPA 7470	839257	EPA 7470	839281
50398359003	**MW-6D**	EPA 7470	839257	EPA 7470	839281
50398359001	**MW-6S**	EPA 903.1	739708		
50398359002	**MW-6I**	EPA 903.1	739708		
50398359003	**MW-6D**	EPA 903.1	739708		
50398359001	**MW-6S**	EPA 904.0	739709		
50398359002	**MW-6I**	EPA 904.0	739709		
50398359003	**MW-6D**	EPA 904.0	739709		
50398359001	**MW-6S**	Total Radium Calculation	743892		
50398359002	**MW-6I**	Total Radium Calculation	743892		
50398359003	**MW-6D**	Total Radium Calculation	743892		
50398359001	**MW-6S**	SM 2320B	840045		
50398359002	**MW-6I**	SM 2320B	840045		
50398359003	**MW-6D**	SM 2320B	840045		
50398359001	**MW-6S**	SM 2540C	838752		
50398359002	**MW-6I**	SM 2540C	838752		
50398359003	**MW-6D**	SM 2540C	838752		
50398359001	**MW-6S**	SM 4500-H+B	838758		
50398359002	**MW-6I**	SM 4500-H+B	838758		
50398359003	**MW-6D**	SM 4500-H+B	838758		
50398359001	**MW-6S**	EPA 353.2	838519		
50398359002	**MW-6I**	EPA 353.2	838519		
50398359003	**MW-6D**	EPA 353.2	838519		
50398359001	**MW-6S**	SM 5310C	838597		
50398359002	**MW-6I**	SM 5310C	838597		
50398359003	**MW-6D**	SM 5310C	838597		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label

WO# : 50398359

50398359

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables: [x] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment	Preservation non-conformance identified for sample.
MW-6S	GW	G			4-10-25	1120	9			X	X	X	X	X	X	X	X	X	001	
MW-6I	↓	↓			↓	1310	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	002	
MW-6D	↓	↓			↓	1020	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	003	

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3238786

Additional Instructions from Pace®:
Please return samples on Ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mykah Berbram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	2	-0.3	0.7	0.4	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	4-10-25 1400	Pace	4/10/25 1400	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: EM 4/10/25 1540

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D (E) F G H I

2. **Cooler Temperature(s):** (Initial/Corrected) 0.7/0.4 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Was the PM notified of out of temp cooler?:** (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. **Packing Material:** Bubble Wrap (Bubble Bags) None Other _____

4. **Ice Type:** (Wet) Blue None

5. **Courier:** Fed Ex UPS (Client) Pace Now/Jett Other

6. **Custody Seal on Cooler/Box Present:** Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1705	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?	✓	
Sample Label (IDs/Dates/Times) Match COC? Except TCs, which only require sample ID	✓	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?			✓
Extra labels on Terracore Vials? (soils only)			✓

Comments: ~~MW185 is missing~~ ~~1 BP4N EM 4/10~~ SMK 4/10/25

COC PAGE 1 of 2

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU	BG1U	MeOH (only) / SBS / DI / R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1													2				2	1	2	1	1									WT	✓	✓		
2													2				2	1	2	1	1									WT	✓	✓		
3													2				2	1	2	1	1									WT	✓	✓		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Dear Mr. Breting:

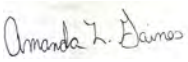
Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398360001	**MW-18S**	Water	04/10/25 13:10	04/10/25 14:00
50398360002	**MW-18I**	Water	04/10/25 12:00	04/10/25 14:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398360001	**MW-18S**	EPA 9056	GLT	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	CAW, MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398360002	**MW-18I**	EPA 9056	GLT	3	PASI-I
		EPA 6010	FAC	12	PASI-I
		EPA 6010	FAC	1	PASI-I
		EPA 6020	CAW, MTM	7	PASI-I
		EPA 7470	MGM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398360001	**MW-18S**					
EPA 9056	Chloride	39.1	mg/L	2.5	04/11/25 21:26	
EPA 9056	Fluoride	0.10	mg/L	0.10	04/11/25 21:09	
EPA 9056	Sulfate	49.9	mg/L	0.25	04/11/25 21:09	
EPA 6010	Boron	115	ug/L	100	04/14/25 10:38	
EPA 6010	Calcium	88200	ug/L	1000	04/14/25 10:38	
EPA 6010	Magnesium	19600	ug/L	1000	04/14/25 10:38	
EPA 6010	Potassium	2530	ug/L	1000	04/14/25 10:38	
EPA 6010	Sodium	27100	ug/L	1000	04/14/25 10:38	
EPA 6020	Barium	39.3	ug/L	1.0	04/16/25 18:37	
EPA 6020	Selenium	4.8	ug/L	1.0	04/16/25 18:37	
EPA 903.1	Radium-226	1.41 ± 0.829 (1.17) C:NA T:96%	pCi/L		05/01/25 14:58	
EPA 904.0	Radium-228	0.654 ± 0.521 (1.05) C:79% T:88%	pCi/L		05/01/25 14:47	
Total Radium Calculation	Total Radium	2.06 ± 1.35 (2.22)	pCi/L		05/06/25 17:09	
SM 2320B	Alkalinity, Total as CaCO3	259	mg/L	10.0	04/23/25 12:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	259	mg/L	10.0	04/23/25 12:28	
SM 2540C	Total Dissolved Solids	373	mg/L	10.0	04/14/25 09:20	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/14/25 11:26	H3
EPA 353.2	Nitrogen, Nitrate	1.1	mg/L	0.10	04/11/25 09:09	
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	04/12/25 20:05	
50398360002	**MW-18I**					
EPA 9056	Chloride	61.5	mg/L	2.5	04/15/25 18:54	
EPA 9056	Sulfate	92.3	mg/L	2.5	04/15/25 18:54	
EPA 6010	Boron	744	ug/L	100	04/14/25 10:40	
EPA 6010	Calcium	111000	ug/L	1000	04/14/25 10:40	
EPA 6010	Iron	297	ug/L	100	04/14/25 10:40	
EPA 6010	Lithium	41.9	ug/L	20.0	04/14/25 10:40	
EPA 6010	Magnesium	28000	ug/L	1000	04/14/25 10:40	
EPA 6010	Manganese	19.3	ug/L	10.0	04/14/25 10:40	
EPA 6010	Molybdenum	52.4	ug/L	10.0	04/14/25 10:40	
EPA 6010	Potassium	4680	ug/L	1000	04/14/25 10:40	
EPA 6010	Sodium	40700	ug/L	1000	04/14/25 10:40	
EPA 6010	Molybdenum, Dissolved	53.2	ug/L	10.0	04/15/25 13:11	
EPA 6020	Barium	94.4	ug/L	1.0	04/16/25 18:41	
EPA 6020	Selenium	1.1	ug/L	1.0	04/16/25 18:41	
EPA 903.1	Radium-226	0.349 ± 0.354 (0.536) C:NA T:95%	pCi/L		05/01/25 14:58	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398360002	**MW-18I**					
EPA 904.0	Radium-228	0.625 ± 0.481 (0.963) C:80% T:88%	pCi/L		05/01/25 14:47	
Total Radium Calculation	Total Radium	0.974 ± 0.835 (1.50)	pCi/L		05/06/25 17:09	
SM 2320B	Alkalinity, Total as CaCO3	314	mg/L	10.0	04/23/25 12:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	314	mg/L	10.0	04/23/25 12:28	
SM 2540C	Total Dissolved Solids	527	mg/L	10.0	04/14/25 09:20	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/14/25 11:28	H3
EPA 353.2	Nitrogen, Nitrate	0.21	mg/L	0.10	04/11/25 09:06	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Sample: MW-18S **Lab ID: 50398360001** Collected: 04/10/25 13:10 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**39.1**	mg/L	2.5	1.3	10		04/11/25 21:26	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.016	1		04/11/25 21:09	16984-48-8	
Sulfate	**49.9**	mg/L	0.25	0.19	1		04/11/25 21:09	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**115**	ug/L	100	5.6	1	04/11/25 08:10	04/14/25 10:38	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:10	04/14/25 10:38	7440-43-9	
Calcium	**88200**	ug/L	1000	83.9	1	04/11/25 08:10	04/14/25 10:38	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:10	04/14/25 10:38	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/11/25 08:10	04/14/25 10:38	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:10	04/14/25 10:38	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/11/25 08:10	04/14/25 10:38	7439-93-2	
Magnesium	**19600**	ug/L	1000	53.7	1	04/11/25 08:10	04/14/25 10:38	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/11/25 08:10	04/14/25 10:38	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/11/25 08:10	04/14/25 10:38	7439-98-7	
Potassium	**2530**	ug/L	1000	113	1	04/11/25 08:10	04/14/25 10:38	7440-09-7	
Sodium	**27100**	ug/L	1000	95.0	1	04/11/25 08:10	04/14/25 10:38	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/14/25 16:31	04/15/25 13:05	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 18:37	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 18:37	7440-38-2	
Barium	**39.3**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 18:37	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/17/25 12:18	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 18:37	7440-48-4	
Selenium	**4.8**	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 18:37	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 18:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/16/25 19:35	04/17/25 09:15	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**259**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Bicarbonate (CaCO3)	**259**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 12:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Sample: MW-18S **Lab ID: 50398360001** Collected: 04/10/25 13:10 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**373**	mg/L	10.0	10.0	1		04/14/25 09:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/14/25 11:26		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.1**	mg/L	0.10	0.013	1		04/11/25 09:09	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.30	1		04/12/25 20:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Sample: MW-18I **Lab ID: 50398360002** Collected: 04/10/25 12:00 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**61.5**	mg/L	2.5	1.3	10		04/15/25 18:54	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/11/25 21:43	16984-48-8	
Sulfate	**92.3**	mg/L	2.5	1.9	10		04/15/25 18:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**744**	ug/L	100	5.6	1	04/11/25 08:10	04/14/25 10:40	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/11/25 08:10	04/14/25 10:40	7440-43-9	
Calcium	**111000**	ug/L	1000	83.9	1	04/11/25 08:10	04/14/25 10:40	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/11/25 08:10	04/14/25 10:40	7440-47-3	
Iron	**297**	ug/L	100	41.0	1	04/11/25 08:10	04/14/25 10:40	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/11/25 08:10	04/14/25 10:40	7439-92-1	
Lithium	**41.9**	ug/L	20.0	3.8	1	04/11/25 08:10	04/14/25 10:40	7439-93-2	
Magnesium	**28000**	ug/L	1000	53.7	1	04/11/25 08:10	04/14/25 10:40	7439-95-4	
Manganese	**19.3**	ug/L	10.0	0.77	1	04/11/25 08:10	04/14/25 10:40	7439-96-5	
Molybdenum	**52.4**	ug/L	10.0	1.4	1	04/11/25 08:10	04/14/25 10:40	7439-98-7	
Potassium	**4680**	ug/L	1000	113	1	04/11/25 08:10	04/14/25 10:40	7440-09-7	
Sodium	**40700**	ug/L	1000	95.0	1	04/11/25 08:10	04/14/25 10:40	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**53.2**	ug/L	10.0	1.4	1	04/14/25 16:31	04/15/25 13:11	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/14/25 15:12	04/16/25 18:41	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/14/25 15:12	04/16/25 18:41	7440-38-2	
Barium	**94.4**	ug/L	1.0	0.11	1	04/14/25 15:12	04/16/25 18:41	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/14/25 15:12	04/17/25 12:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/14/25 15:12	04/16/25 18:41	7440-48-4	
Selenium	**1.1**	ug/L	1.0	0.26	1	04/14/25 15:12	04/16/25 18:41	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/14/25 15:12	04/16/25 18:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/16/25 19:35	04/17/25 09:17	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**314**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Bicarbonate (CaCO3)	**314**	mg/L	10.0	10.0	1		04/23/25 12:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 12:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Sample: MW-18I **Lab ID: 50398360002** Collected: 04/10/25 12:00 Received: 04/10/25 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**527**	mg/L	10.0	10.0	1		04/14/25 09:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/14/25 11:28		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.21**	mg/L	0.10	0.013	1		04/11/25 09:06	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/17/25 12:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838516
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3837107 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/11/25 11:25	
Fluoride	mg/L	ND	0.10	0.016	04/11/25 11:25	
Sulfate	mg/L	ND	0.25	0.19	04/11/25 11:25	

LABORATORY CONTROL SAMPLE: 3837108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	97	80-120	
Fluoride	mg/L	1	1.0	100	80-120	
Sulfate	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837260 3837261

Parameter	Units	50398360002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	61.5	25	25	84.5	82.7	92	85	80-120	2	15	
Fluoride	mg/L	ND	1	1	1.1	1.2	106	109	80-120	2	15	
Sulfate	mg/L	92.3	50	50	137	135	90	85	80-120	2	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 839257
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3840236 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/17/25 08:23	

LABORATORY CONTROL SAMPLE: 3840237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840238 3840239

Parameter	Units	50398335002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.9	97	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838491
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3837039 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/14/25 09:39	
Cadmium	ug/L	ND	2.0	0.46	04/14/25 09:39	
Calcium	ug/L	ND	1000	83.9	04/14/25 09:39	
Chromium	ug/L	ND	10.0	0.96	04/14/25 09:39	
Iron	ug/L	ND	100	41.0	04/14/25 09:39	
Lead	ug/L	ND	10.0	2.0	04/14/25 09:39	
Lithium	ug/L	ND	20.0	3.8	04/14/25 09:39	
Magnesium	ug/L	ND	1000	53.7	04/14/25 09:39	
Manganese	ug/L	ND	10.0	0.77	04/14/25 09:39	
Molybdenum	ug/L	ND	10.0	1.4	04/14/25 09:39	
Potassium	ug/L	ND	1000	113	04/14/25 09:39	
Sodium	ug/L	ND	1000	95.0	04/14/25 09:39	

LABORATORY CONTROL SAMPLE: 3837040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	972	97	80-120	
Cadmium	ug/L	1000	977	98	80-120	
Calcium	ug/L	10000	9950	100	80-120	
Chromium	ug/L	1000	979	98	80-120	
Iron	ug/L	10000	9870	99	80-120	
Lead	ug/L	1000	954	95	80-120	
Lithium	ug/L	1000	977	98	80-120	
Magnesium	ug/L	10000	9850	98	80-120	
Manganese	ug/L	1000	981	98	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9970	100	80-120	
Sodium	ug/L	10000	9760	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837041 3837042

Parameter	Units	50398381001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	1.7 mg/L	1000	1000	2760	2730	106	103	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	982	979	98	98	75-125	0	20	
Calcium	ug/L	125 mg/L	10000	10000	136000	134000	109	95	75-125	1	20	
Chromium	ug/L	ND	1000	1000	979	983	98	98	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837041 3837042

Parameter	Units	50398381001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9790	9730	98	97	75-125	1	20	
Lead	ug/L	ND	1000	1000	931	932	93	93	75-125	0	20	
Lithium	ug/L	ND	1000	1000	980	978	96	96	75-125	0	20	
Magnesium	ug/L	30.6 mg/L	10000	10000	40800	40500	102	99	75-125	1	20	
Manganese	ug/L	ND	1000	1000	975	967	97	97	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1030	1030	102	102	75-125	0	20	
Potassium	ug/L	3.5 mg/L	10000	10000	13200	13200	96	97	75-125	0	20	
Sodium	ug/L	21.7 mg/L	10000	10000	31200	31200	95	95	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838700
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3838218 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/15/25 12:20	

LABORATORY CONTROL SAMPLE: 3838219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1060	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838220 3838221

Parameter	Units	50398463005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1070	1030	107	102	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838731
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3838355 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/16/25 18:11	
Arsenic	ug/L	ND	1.0	0.080	04/16/25 18:11	
Barium	ug/L	ND	1.0	0.11	04/16/25 18:11	
Beryllium	ug/L	ND	0.20	0.026	04/17/25 09:19	
Cobalt	ug/L	ND	1.0	0.045	04/16/25 18:11	
Selenium	ug/L	ND	1.0	0.26	04/16/25 18:11	
Thallium	ug/L	ND	1.0	0.052	04/16/25 18:11	

LABORATORY CONTROL SAMPLE: 3838356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.9	102	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Barium	ug/L	40	39.4	98	80-120	
Beryllium	ug/L	40	37.7	94	80-120	
Cobalt	ug/L	40	41.5	104	80-120	
Selenium	ug/L	40	39.3	98	80-120	
Thallium	ug/L	40	41.6	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838357 3838358

Parameter	Units	50398496001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.0	40.2	100	100	75-125	1	20	
Arsenic	ug/L	ND	40	40	39.2	39.3	97	97	75-125	0	20	
Barium	ug/L	245	40	40	285	283	98	94	75-125	1	20	
Beryllium	ug/L	ND	40	40	40.3	39.0	101	97	75-125	3	20	CC,IR
Cobalt	ug/L	ND	40	40	38.8	38.8	96	96	75-125	0	20	
Selenium	ug/L	ND	40	40	41.3	40.9	103	102	75-125	1	20	
Thallium	ug/L	ND	40	40	40.2	40.2	101	100	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 840045
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3844419 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/23/25 12:28	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 12:28	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 12:28	

LABORATORY CONTROL SAMPLE: 3844420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	90-110	

SAMPLE DUPLICATE: 3844421

Parameter	Units	50398359001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	232	232	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	232	232	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3844422

Parameter	Units	50398359002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	414	413	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	414	413	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838752
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3838412 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/14/25 08:54	

LABORATORY CONTROL SAMPLE: 3838413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3838637

Parameter	Units	50398310001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1020	988	3	10	

SAMPLE DUPLICATE: 3838644

Parameter	Units	50398310002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	960	962	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838758
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

SAMPLE DUPLICATE: 3838427

Parameter	Units	50398132001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.5	2	2	H3

SAMPLE DUPLICATE: 3838428

Parameter	Units	50398585001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.5	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838519
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3837113 Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/11/25 08:32	

LABORATORY CONTROL SAMPLE: 3837114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837115 3837116

Parameter	Units	50398408038 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	1.1	1	1	2.2	2.2	115	115	90-110	0	20	H1

MATRIX SPIKE SAMPLE: 3837122

Parameter	Units	50398366016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	105	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 838597
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360001

METHOD BLANK: 3837432 Matrix: Water
Associated Lab Samples: 50398360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/12/25 10:28	

LABORATORY CONTROL SAMPLE: 3837433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3837434 3837435

Parameter	Units	50398215001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.9	10	10	13.3	13.6	104	107	80-120	2	15	

MATRIX SPIKE SAMPLE: 3837436

Parameter	Units	50398215002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	3.7	10	14.2	106	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 839156
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398360002

METHOD BLANK: 3839790 Matrix: Water
Associated Lab Samples: 50398360002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/17/25 11:57	

LABORATORY CONTROL SAMPLE: 3839791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839792 3839793

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.4	10	10	11.0	11.0	96	95	80-120	0	15	

MATRIX SPIKE SAMPLE: 3839794

Parameter	Units	50398653004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	11.1	98	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Sample: MW-18S **Lab ID: 50398360001** Collected: 04/10/25 13:10 Received: 04/10/25 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.41 ± 0.829 (1.17) C:NA T:96%**	pCi/L	05/01/25 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.654 ± 0.521 (1.05) C:79% T:88%**	pCi/L	05/01/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.06 ± 1.35 (2.22)**	pCi/L	05/06/25 17:09	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Sample: MW-18I **Lab ID: 50398360002** Collected: 04/10/25 12:00 Received: 04/10/25 14:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.349 ± 0.354 (0.536) C:NA T:95%**	pCi/L	05/01/25 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.625 ± 0.481 (0.963) C:80% T:88%**	pCi/L	05/01/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.974 ± 0.835 (1.50)**	pCi/L	05/06/25 17:09	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 739708
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3600080
Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.192 (0.391) C:NA T:99%	pCi/L	05/01/25 14:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

QC Batch: 739709
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398360001, 50398360002

METHOD BLANK: 3600081
Matrix: Water
Associated Lab Samples: 50398360001, 50398360002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0439 ± 0.296 (0.682) C:80% T:91%	pCi/L	05/01/25 14:47	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
H1	Analysis conducted outside the recognized method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
IR	The internal standard recovery associated with this result exceeds the upper control limit. The reported result should be considered an estimated value.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398360

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398360001	**MW-18S**	EPA 9056	838516		
50398360002	**MW-18I**	EPA 9056	838516		
50398360001	**MW-18S**	EPA 3010	838491	EPA 6010	838789
50398360002	**MW-18I**	EPA 3010	838491	EPA 6010	838789
50398360001	**MW-18S**	EPA 3010	838700	EPA 6010	838971
50398360002	**MW-18I**	EPA 3010	838700	EPA 6010	838971
50398360001	**MW-18S**	EPA 200.2	838731	EPA 6020	839019
50398360002	**MW-18I**	EPA 200.2	838731	EPA 6020	839019
50398360001	**MW-18S**	EPA 7470	839257	EPA 7470	839281
50398360002	**MW-18I**	EPA 7470	839257	EPA 7470	839281
50398360001	**MW-18S**	EPA 903.1	739708		
50398360002	**MW-18I**	EPA 903.1	739708		
50398360001	**MW-18S**	EPA 904.0	739709		
50398360002	**MW-18I**	EPA 904.0	739709		
50398360001	**MW-18S**	Total Radium Calculation	743892		
50398360002	**MW-18I**	Total Radium Calculation	743892		
50398360001	**MW-18S**	SM 2320B	840045		
50398360002	**MW-18I**	SM 2320B	840045		
50398360001	**MW-18S**	SM 2540C	838752		
50398360002	**MW-18I**	SM 2540C	838752		
50398360001	**MW-18S**	SM 4500-H+B	838758		
50398360002	**MW-18I**	SM 4500-H+B	838758		
50398360001	**MW-18S**	EPA 353.2	838519		
50398360002	**MW-18I**	EPA 353.2	838519		
50398360001	**MW-18S**	SM 5310C	838597		
50398360002	**MW-18I**	SM 5310C	839156		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50398360

50398360

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA		Sample Comment
MW18S	GW	Grab	4/10/25	1310			9			X	X									
MW18I	GW	Grab	↓	1200			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3239339

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on Ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By: (Printed Name) Mohammed Barzlamit

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
0	E	-0.3	0.7	0.4	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
ATLAS	4/10/25 1400	PACE	4/10/25 1400

Tracking Number:

Delivered by: [✓] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: EM 4/10/25 1540

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. **Cooler Temperature(s):** (Initial/Corrected) 0.7/0.4 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Was the PM notified of out of temp cooler?:** (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. **Packing Material:** Bubble Wrap (Bubble Bags) None Other _____

4. **Ice Type:** (Wet) Blue None

5. **Courier:** Fed Ex UPS (Client) Pace Now/Jett Other

6. **Custody Seal on Cooler/Box Present:** Yes (No)

(If yes)Seals Intact: Yes No (leave blank if no seals were present)

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1715	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Extra labels on Terracore Vials? (soils only)			✓

Comments: MW18S is missing 1 BP1N EM 4/10 Client dropped off 2nd BP1N at 1715 - SMK

COC PAGE 8 of 2

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												2				2	1	2	1	1									WT	✓	✓		
2												2				2	1	2	1	1									WT	✓	✓		
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Dear Mr. Breting:

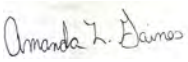
Enclosed are the analytical results for sample(s) received by the laboratory on April 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398653001	**MW-4D**	Water	04/14/25 13:54	04/14/25 17:30
50398653002	**MW-4D MS 1**	Water	04/14/25 13:54	04/14/25 17:30
50398653003	**MW-4D MSD 1**	Water	04/14/25 13:54	04/14/25 17:30
50398653004	**MW-4I**	Water	04/14/25 10:59	04/14/25 17:30
50398653005	**MW-4S**	Water	04/14/25 14:30	04/14/25 17:30
50398653006	**MW-2S**	Water	04/14/25 10:35	04/14/25 17:30
50398653007	**MW-2I**	Water	04/14/25 12:55	04/14/25 17:30
50398653008	**MW-2D**	Water	04/14/25 11:45	04/14/25 17:30

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398653001	**MW-4D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398653002	**MW-4D MS 1**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
50398653003	**MW-4D MSD 1**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
50398653004	**MW-4I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398653005	**MW-4S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398653006	**MW-2S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398653007	**MW-2I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398653008	**MW-2D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398653001	**MW-4D**					
EPA 9056	Chloride	126	mg/L	2.5	04/16/25 15:38	
EPA 9056	Fluoride	0.26	mg/L	0.10	04/16/25 15:21	
EPA 9056	Sulfate	75.3	mg/L	2.5	04/16/25 15:38	
EPA 6010	Boron	145	ug/L	100	04/16/25 00:24	
EPA 6010	Calcium	120000	ug/L	1000	04/16/25 00:24	
EPA 6010	Iron	1530	ug/L	100	04/20/25 20:03	
EPA 6010	Magnesium	38400	ug/L	1000	04/16/25 00:24	
EPA 6010	Manganese	252	ug/L	10.0	04/16/25 00:24	
EPA 6010	Potassium	3050	ug/L	1000	04/16/25 00:24	
EPA 6010	Sodium	30400	ug/L	1000	04/16/25 00:24	
EPA 6020	Arsenic	5.5	ug/L	1.0	04/17/25 03:25	
EPA 6020	Barium	77.4	ug/L	1.0	04/17/25 03:25	
EPA 903.1	Radium-226	0.434 ± 0.437 (0.689) C:NA T:93%	pCi/L		05/02/25 14:36	
EPA 904.0	Radium-228	0.514 ± 0.325 (0.601) C:80% T:88%	pCi/L		05/02/25 11:33	
Total Radium Calculation	Total Radium	0.948 ± 0.762 (1.29)	pCi/L		05/06/25 11:11	
SM 2320B	Alkalinity, Total as CaCO3	286	mg/L	10.0	04/23/25 14:43	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	265	mg/L	10.0	04/23/25 14:43	
SM 2320B	Alkalinity,Carbonate (CaCO3)	21.2	mg/L	10.0	04/23/25 14:43	
SM 2540C	Total Dissolved Solids	579	mg/L	10.0	04/15/25 07:48	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/21/25 10:44	H3
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	04/17/25 12:28	
50398653002	**MW-4D MS 1**					
EPA 903.1	Radium-226	81.23 %REC ± NA (NA) C:NA T:NA	pCi/L		05/02/25 14:48	
EPA 904.0	Radium-228	84.41% REC ± NA (NA) C:NA T:NA	pCi/L		05/02/25 11:33	
50398653003	**MW-4D MSD 1**					
EPA 903.1	Radium-226	98.80 %REC 19.52RPD ± NA (NA) C:NA T:NA	pCi/L		05/02/25 14:48	
EPA 904.0	Radium-228	90.12% REC 6.54 RPD ± NA (NA) C:NA T:NA	pCi/L		05/02/25 11:33	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398653004	**MW-4I**					
EPA 9056	Chloride	190	mg/L	2.5	04/16/25 17:51	
EPA 9056	Fluoride	0.30	mg/L	0.10	04/16/25 17:35	
EPA 9056	Sulfate	59.4	mg/L	2.5	04/16/25 17:51	
EPA 6010	Boron	128	ug/L	100	04/16/25 00:35	
EPA 6010	Calcium	108000	ug/L	1000	04/16/25 00:35	
EPA 6010	Iron	707	ug/L	100	04/20/25 20:16	
EPA 6010	Magnesium	38000	ug/L	1000	04/16/25 00:35	
EPA 6010	Manganese	200	ug/L	10.0	04/16/25 00:35	
EPA 6010	Potassium	4190	ug/L	1000	04/16/25 00:35	
EPA 6010	Sodium	49800	ug/L	1000	04/16/25 00:35	
EPA 6010	Molybdenum, Dissolved	10.3	ug/L	10.0	04/17/25 01:04	
EPA 6020	Arsenic	1.5	ug/L	1.0	04/17/25 03:52	
EPA 6020	Barium	97.1	ug/L	1.0	04/17/25 03:52	
EPA 903.1	Radium-226	0.215 ± 0.682 (1.23) C:NA T:92%	pCi/L		05/02/25 14:48	
EPA 904.0	Radium-228	0.429 ± 0.356 (0.708) C:77% T:82%	pCi/L		05/02/25 11:33	
Total Radium Calculation	Total Radium	0.644 ± 1.04 (1.94)	pCi/L		05/06/25 11:11	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	04/23/25 14:43	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	04/23/25 14:43	
SM 2540C	Total Dissolved Solids	614	mg/L	10.0	04/15/25 07:49	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/21/25 10:46	H3
50398653005	**MW-4S**					
EPA 9056	Chloride	51.3	mg/L	2.5	04/16/25 18:41	
EPA 9056	Fluoride	0.35	mg/L	0.10	04/16/25 18:25	
EPA 9056	Sulfate	89.6	mg/L	2.5	04/16/25 18:41	
EPA 6010	Boron	541	ug/L	100	04/16/25 00:37	
EPA 6010	Calcium	79400	ug/L	1000	04/16/25 00:37	
EPA 6010	Magnesium	19100	ug/L	1000	04/16/25 00:37	
EPA 6010	Molybdenum	87.2	ug/L	10.0	04/16/25 00:37	
EPA 6010	Potassium	3840	ug/L	1000	04/16/25 00:37	
EPA 6010	Sodium	39800	ug/L	1000	04/16/25 00:37	
EPA 6010	Molybdenum, Dissolved	88.1	ug/L	10.0	04/17/25 01:06	
EPA 6020	Arsenic	2.6	ug/L	1.0	04/17/25 03:56	
EPA 6020	Barium	54.8	ug/L	1.0	04/17/25 03:56	
EPA 6020	Selenium	1.7	ug/L	1.0	04/17/25 03:56	
EPA 903.1	Radium-226	0.526 ± 0.568 (0.916) C:NA T:97%	pCi/L		05/02/25 14:48	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398653005	**MW-4S**					
EPA 904.0	Radium-228	0.466 ± 0.366 (0.719) C:74% T:83%	pCi/L		05/02/25 11:33	
Total Radium Calculation	Total Radium	0.992 ± 0.934 (1.64)	pCi/L		05/06/25 11:11	
SM 2320B	Alkalinity, Total as CaCO3	205	mg/L	10.0	04/24/25 11:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	205	mg/L	10.0	04/24/25 11:48	
SM 2540C	Total Dissolved Solids	437	mg/L	10.0	04/15/25 07:49	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/21/25 10:47	H3
EPA 353.2	Nitrogen, Nitrate	1.2	mg/L	0.10	04/15/25 15:18	
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	1.0	04/17/25 13:46	
50398653006	**MW-2S**					
EPA 9056	Chloride	95.1	mg/L	2.5	04/16/25 19:31	
EPA 9056	Fluoride	0.22	mg/L	0.10	04/16/25 19:15	
EPA 9056	Sulfate	92.8	mg/L	2.5	04/16/25 19:31	
EPA 6010	Boron	456	ug/L	100	04/16/25 00:39	
EPA 6010	Calcium	130000	ug/L	1000	04/16/25 00:39	
EPA 6010	Magnesium	27600	ug/L	1000	04/16/25 00:39	
EPA 6010	Molybdenum	18.6	ug/L	10.0	04/16/25 00:39	
EPA 6010	Potassium	4890	ug/L	1000	04/16/25 00:39	
EPA 6010	Sodium	81500	ug/L	1000	04/16/25 00:39	
EPA 6010	Molybdenum, Dissolved	19.5	ug/L	10.0	04/17/25 01:09	
EPA 6020	Arsenic	11.8	ug/L	1.0	04/17/25 04:00	
EPA 6020	Barium	119	ug/L	1.0	04/17/25 04:00	
EPA 6020	Selenium	12.1	ug/L	1.0	04/17/25 04:00	
EPA 903.1	Radium-226	-0.285 ± 0.830 (1.61) C:NA T:91%	pCi/L		05/02/25 14:48	
EPA 904.0	Radium-228	0.585 ± 0.504 (1.03) C:75% T:83%	pCi/L		05/02/25 11:33	
Total Radium Calculation	Total Radium	0.585 ± 1.33 (2.64)	pCi/L		05/06/25 11:11	
SM 2320B	Alkalinity, Total as CaCO3	408	mg/L	10.0	04/24/25 11:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	408	mg/L	10.0	04/24/25 11:48	
SM 2540C	Total Dissolved Solids	698	mg/L	10.0	04/15/25 07:50	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	04/21/25 10:48	H3
EPA 353.2	Nitrogen, Nitrate	1.4	mg/L	0.10	04/15/25 15:26	
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	04/17/25 13:56	
50398653007	**MW-2I**					
EPA 9056	Chloride	132	mg/L	2.5	04/16/25 20:55	
EPA 9056	Fluoride	0.28	mg/L	0.10	04/16/25 20:38	
EPA 9056	Sulfate	94.5	mg/L	2.5	04/16/25 20:55	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398653007	**MW-2I**					
EPA 6010	Boron	189	ug/L	100	04/16/25 00:46	
EPA 6010	Calcium	80900	ug/L	1000	04/16/25 00:46	
EPA 6010	Iron	107	ug/L	100	04/20/25 20:23	
EPA 6010	Magnesium	25100	ug/L	1000	04/16/25 00:46	
EPA 6010	Manganese	81.3	ug/L	10.0	04/16/25 00:46	
EPA 6010	Molybdenum	72.3	ug/L	10.0	04/16/25 00:46	
EPA 6010	Potassium	6340	ug/L	1000	04/16/25 00:46	
EPA 6010	Sodium	87600	ug/L	1000	04/16/25 00:46	
EPA 6010	Molybdenum, Dissolved	70.9	ug/L	10.0	04/17/25 01:11	
EPA 6020	Barium	72.5	ug/L	1.0	04/17/25 04:04	
EPA 903.1	Radium-226	0.949 ± 0.768 (1.18) C:NA T:91%	pCi/L		05/02/25 14:48	
EPA 904.0	Radium-228	0.818 ± 0.474 (0.890) C:76% T:88%	pCi/L		05/02/25 11:33	
Total Radium Calculation	Total Radium	1.77 ± 1.24 (2.07)	pCi/L		05/06/25 11:11	
SM 2320B	Alkalinity, Total as CaCO3	239	mg/L	10.0	04/24/25 11:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	239	mg/L	10.0	04/24/25 11:48	
SM 2540C	Total Dissolved Solids	569	mg/L	10.0	04/15/25 07:51	
SM 4500-H+B	pH at 25 Degrees C	7.9	Std. Units	0.10	04/21/25 10:50	H3
EPA 353.2	Nitrogen, Nitrate	0.12	mg/L	0.10	04/15/25 15:00	
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	04/17/25 14:08	
50398653008	**MW-2D**					
EPA 9056	Chloride	57.2	mg/L	2.5	04/16/25 21:45	
EPA 9056	Fluoride	0.32	mg/L	0.10	04/16/25 21:28	
EPA 9056	Sulfate	47.6	mg/L	2.5	04/16/25 21:45	
EPA 6010	Boron	122	ug/L	100	04/16/25 00:48	
EPA 6010	Calcium	69300	ug/L	1000	04/16/25 00:48	
EPA 6010	Iron	960	ug/L	100	04/20/25 20:25	
EPA 6010	Magnesium	20700	ug/L	1000	04/16/25 00:48	
EPA 6010	Manganese	219	ug/L	10.0	04/16/25 00:48	
EPA 6010	Molybdenum	29.3	ug/L	10.0	04/16/25 00:48	
EPA 6010	Potassium	6810	ug/L	1000	04/16/25 00:48	
EPA 6010	Sodium	57200	ug/L	1000	04/16/25 00:48	
EPA 6010	Molybdenum, Dissolved	28.5	ug/L	10.0	04/17/25 01:13	
EPA 6020	Arsenic	4.2	ug/L	1.0	04/17/25 04:08	
EPA 6020	Barium	77.8	ug/L	1.0	04/17/25 04:08	
EPA 903.1	Radium-226	0.955 ± 0.651 (0.897) C:NA T:92%	pCi/L		05/02/25 14:48	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398653008	**MW-2D**					
EPA 904.0	Radium-228	0.761 ± 0.474 (0.901) C:73% T:89%	pCi/L		05/02/25 11:34	
Total Radium Calculation	Total Radium	1.72 ± 1.13 (1.80)	pCi/L		05/06/25 11:11	
SM 2320B	Alkalinity, Total as CaCO3	263	mg/L	10.0	04/24/25 11:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	10.0	04/24/25 11:48	
SM 2540C	Total Dissolved Solids	416	mg/L	10.0	04/15/25 07:53	
SM 4500-H+B	pH at 25 Degrees C	7.9	Std. Units	0.10	04/21/25 10:51	H3
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	04/17/25 14:25	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4D **Lab ID: 50398653001** Collected: 04/14/25 13:54 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**126**	mg/L	2.5	1.3	10		04/16/25 15:38	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.016	1		04/16/25 15:21	16984-48-8	
Sulfate	**75.3**	mg/L	2.5	1.9	10		04/16/25 15:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**145**	ug/L	100	5.6	1	04/15/25 16:39	04/16/25 00:24	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/15/25 16:39	04/16/25 00:24	7440-43-9	
Calcium	**120000**	ug/L	1000	83.9	1	04/15/25 16:39	04/16/25 00:24	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/15/25 16:39	04/16/25 00:24	7440-47-3	
Iron	**1530**	ug/L	100	41.0	1	04/15/25 16:39	04/20/25 20:03	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/15/25 16:39	04/16/25 00:24	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/15/25 16:39	04/16/25 00:24	7439-93-2	
Magnesium	**38400**	ug/L	1000	53.7	1	04/15/25 16:39	04/16/25 00:24	7439-95-4	
Manganese	**252**	ug/L	10.0	0.77	1	04/15/25 16:39	04/16/25 00:24	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/15/25 16:39	04/16/25 00:24	7439-98-7	
Potassium	**3050**	ug/L	1000	113	1	04/15/25 16:39	04/16/25 00:24	7440-09-7	
Sodium	**30400**	ug/L	1000	95.0	1	04/15/25 16:39	04/16/25 00:24	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/16/25 08:09	04/17/25 00:54	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/16/25 11:15	04/17/25 03:25	7440-36-0	
Arsenic	**5.5**	ug/L	1.0	0.080	1	04/16/25 11:15	04/17/25 03:25	7440-38-2	
Barium	**77.4**	ug/L	1.0	0.11	1	04/16/25 11:15	04/17/25 03:25	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/16/25 11:15	04/17/25 03:25	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/16/25 11:15	04/17/25 03:25	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/16/25 11:15	04/17/25 03:25	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/16/25 11:15	04/17/25 03:25	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/22/25 20:55	04/23/25 18:24	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**286**	mg/L	10.0	10.0	1		04/23/25 14:43		
Alkalinity,Bicarbonate (CaCO3)	**265**	mg/L	10.0	10.0	1		04/23/25 14:43		
Alkalinity,Carbonate (CaCO3)	**21.2**	mg/L	10.0	10.0	1		04/23/25 14:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4D **Lab ID: 50398653001** Collected: 04/14/25 13:54 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**579**	mg/L	10.0	10.0	1		04/15/25 07:48		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/21/25 10:44		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/15/25 15:04	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.30	1		04/17/25 12:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4I **Lab ID: 50398653004** Collected: 04/14/25 10:59 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**190**	mg/L	2.5	1.3	10		04/16/25 17:51	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.016	1		04/16/25 17:35	16984-48-8	
Sulfate	**59.4**	mg/L	2.5	1.9	10		04/16/25 17:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**128**	ug/L	100	5.6	1	04/15/25 16:39	04/16/25 00:35	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/15/25 16:39	04/16/25 00:35	7440-43-9	
Calcium	**108000**	ug/L	1000	83.9	1	04/15/25 16:39	04/16/25 00:35	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/15/25 16:39	04/16/25 00:35	7440-47-3	
Iron	**707**	ug/L	100	41.0	1	04/15/25 16:39	04/20/25 20:16	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/15/25 16:39	04/16/25 00:35	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/15/25 16:39	04/16/25 00:35	7439-93-2	
Magnesium	**38000**	ug/L	1000	53.7	1	04/15/25 16:39	04/16/25 00:35	7439-95-4	
Manganese	**200**	ug/L	10.0	0.77	1	04/15/25 16:39	04/16/25 00:35	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/15/25 16:39	04/16/25 00:35	7439-98-7	
Potassium	**4190**	ug/L	1000	113	1	04/15/25 16:39	04/16/25 00:35	7440-09-7	
Sodium	**49800**	ug/L	1000	95.0	1	04/15/25 16:39	04/16/25 00:35	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**10.3**	ug/L	10.0	1.4	1	04/16/25 08:09	04/17/25 01:04	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/16/25 11:15	04/17/25 03:52	7440-36-0	
Arsenic	**1.5**	ug/L	1.0	0.080	1	04/16/25 11:15	04/17/25 03:52	7440-38-2	
Barium	**97.1**	ug/L	1.0	0.11	1	04/16/25 11:15	04/17/25 03:52	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/16/25 11:15	04/17/25 03:52	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/16/25 11:15	04/17/25 03:52	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/16/25 11:15	04/17/25 03:52	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/16/25 11:15	04/17/25 03:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/22/25 20:55	04/23/25 18:31	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**258**	mg/L	10.0	10.0	1		04/23/25 14:43		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		04/23/25 14:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/23/25 14:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4I **Lab ID: 50398653004** Collected: 04/14/25 10:59 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**614**	mg/L	10.0	10.0	1		04/15/25 07:49		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/21/25 10:46		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/15/25 14:45	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	2.0	0.60	2		04/17/25 18:25		D3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4S **Lab ID: 50398653005** Collected: 04/14/25 14:30 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**51.3**	mg/L	2.5	1.3	10		04/16/25 18:41	16887-00-6	
Fluoride	**0.35**	mg/L	0.10	0.016	1		04/16/25 18:25	16984-48-8	
Sulfate	**89.6**	mg/L	2.5	1.9	10		04/16/25 18:41	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**541**	ug/L	100	5.6	1	04/15/25 16:39	04/16/25 00:37	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/15/25 16:39	04/16/25 00:37	7440-43-9	
Calcium	**79400**	ug/L	1000	83.9	1	04/15/25 16:39	04/16/25 00:37	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/15/25 16:39	04/16/25 00:37	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/15/25 16:39	04/20/25 20:18	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/15/25 16:39	04/16/25 00:37	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/15/25 16:39	04/16/25 00:37	7439-93-2	
Magnesium	**19100**	ug/L	1000	53.7	1	04/15/25 16:39	04/16/25 00:37	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/15/25 16:39	04/16/25 00:37	7439-96-5	
Molybdenum	**87.2**	ug/L	10.0	1.4	1	04/15/25 16:39	04/16/25 00:37	7439-98-7	
Potassium	**3840**	ug/L	1000	113	1	04/15/25 16:39	04/16/25 00:37	7440-09-7	
Sodium	**39800**	ug/L	1000	95.0	1	04/15/25 16:39	04/16/25 00:37	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**88.1**	ug/L	10.0	1.4	1	04/16/25 08:09	04/17/25 01:06	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/16/25 11:15	04/17/25 03:56	7440-36-0	
Arsenic	**2.6**	ug/L	1.0	0.080	1	04/16/25 11:15	04/17/25 03:56	7440-38-2	
Barium	**54.8**	ug/L	1.0	0.11	1	04/16/25 11:15	04/17/25 03:56	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/16/25 11:15	04/17/25 03:56	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/16/25 11:15	04/17/25 03:56	7440-48-4	
Selenium	**1.7**	ug/L	1.0	0.26	1	04/16/25 11:15	04/17/25 03:56	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/16/25 11:15	04/17/25 03:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/22/25 20:55	04/23/25 18:33	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**205**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Bicarbonate (CaCO3)	**205**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/24/25 11:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4S **Lab ID: 50398653005** Collected: 04/14/25 14:30 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**437**	mg/L	10.0	10.0	1		04/15/25 07:49		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/21/25 10:47		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.2**	mg/L	0.10	0.013	1		04/15/25 15:18	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	1.0	0.30	1		04/17/25 13:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2S **Lab ID: 50398653006** Collected: 04/14/25 10:35 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**95.1**	mg/L	2.5	1.3	10		04/16/25 19:31	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.016	1		04/16/25 19:15	16984-48-8	
Sulfate	**92.8**	mg/L	2.5	1.9	10		04/16/25 19:31	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**456**	ug/L	100	5.6	1	04/15/25 16:39	04/16/25 00:39	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/15/25 16:39	04/16/25 00:39	7440-43-9	
Calcium	**130000**	ug/L	1000	83.9	1	04/15/25 16:39	04/16/25 00:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/15/25 16:39	04/16/25 00:39	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/15/25 16:39	04/20/25 20:20	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/15/25 16:39	04/16/25 00:39	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/15/25 16:39	04/16/25 00:39	7439-93-2	
Magnesium	**27600**	ug/L	1000	53.7	1	04/15/25 16:39	04/16/25 00:39	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/15/25 16:39	04/16/25 00:39	7439-96-5	
Molybdenum	**18.6**	ug/L	10.0	1.4	1	04/15/25 16:39	04/16/25 00:39	7439-98-7	
Potassium	**4890**	ug/L	1000	113	1	04/15/25 16:39	04/16/25 00:39	7440-09-7	
Sodium	**81500**	ug/L	1000	95.0	1	04/15/25 16:39	04/16/25 00:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**19.5**	ug/L	10.0	1.4	1	04/16/25 08:09	04/17/25 01:09	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/16/25 11:15	04/17/25 04:00	7440-36-0	
Arsenic	**11.8**	ug/L	1.0	0.080	1	04/16/25 11:15	04/17/25 04:00	7440-38-2	
Barium	**119**	ug/L	1.0	0.11	1	04/16/25 11:15	04/17/25 04:00	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/16/25 11:15	04/17/25 04:00	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/16/25 11:15	04/17/25 04:00	7440-48-4	
Selenium	**12.1**	ug/L	1.0	0.26	1	04/16/25 11:15	04/17/25 04:00	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/16/25 11:15	04/17/25 04:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/22/25 20:55	04/23/25 18:36	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**408**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Bicarbonate (CaCO3)	**408**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/24/25 11:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2S **Lab ID: 50398653006** Collected: 04/14/25 10:35 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**698**	mg/L	10.0	10.0	1		04/15/25 07:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		04/21/25 10:48		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.4**	mg/L	0.10	0.013	1		04/15/25 15:26	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	1.0	0.30	1		04/17/25 13:56		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2I **Lab ID: 50398653007** Collected: 04/14/25 12:55 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**132**	mg/L	2.5	1.3	10		04/16/25 20:55	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.016	1		04/16/25 20:38	16984-48-8	
Sulfate	**94.5**	mg/L	2.5	1.9	10		04/16/25 20:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**189**	ug/L	100	5.6	1	04/15/25 16:39	04/16/25 00:46	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/15/25 16:39	04/16/25 00:46	7440-43-9	
Calcium	**80900**	ug/L	1000	83.9	1	04/15/25 16:39	04/16/25 00:46	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/15/25 16:39	04/16/25 00:46	7440-47-3	
Iron	**107**	ug/L	100	41.0	1	04/15/25 16:39	04/20/25 20:23	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/15/25 16:39	04/16/25 00:46	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/15/25 16:39	04/16/25 00:46	7439-93-2	
Magnesium	**25100**	ug/L	1000	53.7	1	04/15/25 16:39	04/16/25 00:46	7439-95-4	
Manganese	**81.3**	ug/L	10.0	0.77	1	04/15/25 16:39	04/16/25 00:46	7439-96-5	
Molybdenum	**72.3**	ug/L	10.0	1.4	1	04/15/25 16:39	04/16/25 00:46	7439-98-7	
Potassium	**6340**	ug/L	1000	113	1	04/15/25 16:39	04/16/25 00:46	7440-09-7	
Sodium	**87600**	ug/L	1000	95.0	1	04/15/25 16:39	04/16/25 00:46	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**70.9**	ug/L	10.0	1.4	1	04/16/25 08:09	04/17/25 01:11	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/16/25 11:15	04/17/25 04:04	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/16/25 11:15	04/17/25 04:04	7440-38-2	
Barium	**72.5**	ug/L	1.0	0.11	1	04/16/25 11:15	04/17/25 04:04	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/16/25 11:15	04/17/25 04:04	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/16/25 11:15	04/17/25 04:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/16/25 11:15	04/17/25 04:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/16/25 11:15	04/17/25 04:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/22/25 20:55	04/23/25 18:38	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**239**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/24/25 11:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2I **Lab ID: 50398653007** Collected: 04/14/25 12:55 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**569**	mg/L	10.0	10.0	1		04/15/25 07:51		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.10	1		04/21/25 10:50		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.12**	mg/L	0.10	0.013	1		04/15/25 15:00	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.7**	mg/L	1.0	0.30	1		04/17/25 14:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2D **Lab ID: 50398653008** Collected: 04/14/25 11:45 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**57.2**	mg/L	2.5	1.3	10		04/16/25 21:45	16887-00-6	
Fluoride	**0.32**	mg/L	0.10	0.016	1		04/16/25 21:28	16984-48-8	
Sulfate	**47.6**	mg/L	2.5	1.9	10		04/16/25 21:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**122**	ug/L	100	5.6	1	04/15/25 16:39	04/16/25 00:48	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/15/25 16:39	04/16/25 00:48	7440-43-9	
Calcium	**69300**	ug/L	1000	83.9	1	04/15/25 16:39	04/16/25 00:48	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/15/25 16:39	04/16/25 00:48	7440-47-3	
Iron	**960**	ug/L	100	41.0	1	04/15/25 16:39	04/20/25 20:25	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/15/25 16:39	04/16/25 00:48	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/15/25 16:39	04/16/25 00:48	7439-93-2	
Magnesium	**20700**	ug/L	1000	53.7	1	04/15/25 16:39	04/16/25 00:48	7439-95-4	
Manganese	**219**	ug/L	10.0	0.77	1	04/15/25 16:39	04/16/25 00:48	7439-96-5	
Molybdenum	**29.3**	ug/L	10.0	1.4	1	04/15/25 16:39	04/16/25 00:48	7439-98-7	
Potassium	**6810**	ug/L	1000	113	1	04/15/25 16:39	04/16/25 00:48	7440-09-7	
Sodium	**57200**	ug/L	1000	95.0	1	04/15/25 16:39	04/16/25 00:48	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**28.5**	ug/L	10.0	1.4	1	04/16/25 08:09	04/17/25 01:13	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/16/25 11:15	04/17/25 04:08	7440-36-0	
Arsenic	**4.2**	ug/L	1.0	0.080	1	04/16/25 11:15	04/17/25 04:08	7440-38-2	
Barium	**77.8**	ug/L	1.0	0.11	1	04/16/25 11:15	04/17/25 04:08	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/16/25 11:15	04/17/25 04:08	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/16/25 11:15	04/17/25 04:08	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/16/25 11:15	04/17/25 04:08	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/16/25 11:15	04/17/25 04:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/22/25 20:55	04/23/25 18:41	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**263**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	10.0	10.0	1		04/24/25 11:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/24/25 11:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2D **Lab ID: 50398653008** Collected: 04/14/25 11:45 Received: 04/14/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**416**	mg/L	10.0	10.0	1		04/15/25 07:53		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.10	1		04/21/25 10:51		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/15/25 14:49	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.30	1		04/17/25 14:25		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 839131
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3839730 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/16/25 14:48	
Fluoride	mg/L	ND	0.10	0.016	04/16/25 14:48	
Sulfate	mg/L	ND	0.25	0.19	04/16/25 14:48	

LABORATORY CONTROL SAMPLE: 3839731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	95	80-120	
Fluoride	mg/L	1	0.95	95	80-120	
Sulfate	mg/L	5	4.7	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839732 3839733

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	126	25	25	137	138	47	48	80-120	0	15	M0
Fluoride	mg/L	0.26	1	1	1.2	1.2	91	93	80-120	2	15	
Sulfate	mg/L	75.3	50	50	114	115	78	79	80-120	0	15	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 840028 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3844374 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	04/23/25 18:19	

LABORATORY CONTROL SAMPLE: 3844375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844376 3844377

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.1	5.1	102	102	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 838947
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3838949 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/15/25 23:53	
Cadmium	ug/L	ND	2.0	0.46	04/15/25 23:53	
Calcium	ug/L	ND	1000	83.9	04/15/25 23:53	
Chromium	ug/L	ND	10.0	0.96	04/15/25 23:53	
Iron	ug/L	ND	100	41.0	04/20/25 19:46	
Lead	ug/L	ND	10.0	2.0	04/15/25 23:53	
Lithium	ug/L	ND	20.0	3.8	04/15/25 23:53	
Magnesium	ug/L	ND	1000	53.7	04/15/25 23:53	
Manganese	ug/L	ND	10.0	0.77	04/15/25 23:53	
Molybdenum	ug/L	ND	10.0	1.4	04/15/25 23:53	
Potassium	ug/L	ND	1000	113	04/15/25 23:53	
Sodium	ug/L	ND	1000	95.0	04/15/25 23:53	

LABORATORY CONTROL SAMPLE: 3838950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	966	97	80-120	
Cadmium	ug/L	1000	984	98	80-120	
Calcium	ug/L	10000	9720	97	80-120	
Chromium	ug/L	1000	961	96	80-120	
Iron	ug/L	10000	9390	94	80-120	
Lead	ug/L	1000	992	99	80-120	
Lithium	ug/L	1000	934	93	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	983	98	80-120	
Molybdenum	ug/L	1000	996	100	80-120	
Potassium	ug/L	10000	9330	93	80-120	
Sodium	ug/L	10000	9390	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838951 3838952

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	145	1000	1000	1170	1160	102	102	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	1040	1020	104	102	75-125	2	20	
Calcium	ug/L	120000	10000	10000	133000	130000	130	100	75-125	2	20	P6
Chromium	ug/L	ND	1000	1000	1010	970	101	97	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3838951 3838952

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1530	10000	10000	11300	10000	98	85	75-125	12	20	
Lead	ug/L	ND	1000	1000	1010	993	101	99	75-125	2	20	
Lithium	ug/L	ND	1000	1000	994	961	99	96	75-125	3	20	
Magnesium	ug/L	38400	10000	10000	49500	49000	112	106	75-125	1	20	
Manganese	ug/L	252	1000	1000	1260	1240	101	99	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1070	1050	106	104	75-125	2	20	
Potassium	ug/L	3050	10000	10000	13200	12700	102	96	75-125	4	20	
Sodium	ug/L	30400	10000	10000	41200	39900	108	95	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 839003
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3839101 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/17/25 00:09	

LABORATORY CONTROL SAMPLE: 3839102

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	39.4	4	80-120	L5

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839103 3839104

Parameter	Units	50398463002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1040	1030	103	103	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839105 3839106

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1050	1050	104	104	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 839045
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3839337 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/17/25 03:01	
Arsenic	ug/L	ND	1.0	0.080	04/17/25 03:01	
Barium	ug/L	ND	1.0	0.11	04/17/25 03:01	
Beryllium	ug/L	ND	0.20	0.026	04/17/25 03:01	
Cobalt	ug/L	ND	1.0	0.045	04/17/25 03:01	
Selenium	ug/L	ND	1.0	0.26	04/17/25 03:01	
Thallium	ug/L	ND	1.0	0.052	04/17/25 03:01	

LABORATORY CONTROL SAMPLE: 3839338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.1	98	80-120	
Arsenic	ug/L	40	39.2	98	80-120	
Barium	ug/L	40	39.0	97	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	40.8	102	80-120	
Selenium	ug/L	40	39.3	98	80-120	
Thallium	ug/L	40	41.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839339 3839340

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	40.3	39.1	101	98	75-125	3	20	
Arsenic	ug/L	5.5	40	40	44.9	44.5	98	98	75-125	1	20	
Barium	ug/L	77.4	40	40	117	114	99	91	75-125	3	20	
Beryllium	ug/L	ND	40	40	38.9	37.7	97	94	75-125	3	20	
Cobalt	ug/L	ND	40	40	38.5	37.6	95	93	75-125	2	20	
Selenium	ug/L	ND	40	40	38.0	36.7	94	91	75-125	3	20	
Thallium	ug/L	ND	40	40	41.9	41.0	105	103	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 840046
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004

METHOD BLANK: 3844423 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/23/25 14:43	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 14:43	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/23/25 14:43	

LABORATORY CONTROL SAMPLE: 3844424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.3	101	90-110	

SAMPLE DUPLICATE: 3844426

Parameter	Units	50398525002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	609	608	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	609	608	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3844454

Parameter	Units	50398653001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	286	295	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	265	279	5	20	
Alkalinity,Carbonate (CaCO3)	mg/L	21.2	15.6	30	20	R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 840244 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3845235 Matrix: Water
Associated Lab Samples: 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/24/25 11:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/24/25 11:48	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/24/25 11:48	

LABORATORY CONTROL SAMPLE: 3845236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	90-110	

SAMPLE DUPLICATE: 3845237

Parameter	Units	50398653005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	205	182	12	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	205	182	12	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3845238

Parameter	Units	50398653006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	408	403	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	408	403	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 838915 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3838906 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/15/25 07:46	

LABORATORY CONTROL SAMPLE: 3838907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	80-120	

SAMPLE DUPLICATE: 3838908

Parameter	Units	50398653001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	579	578	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 839712
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

SAMPLE DUPLICATE: 3843198

Parameter	Units	50398653001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.6	1	2	H3

SAMPLE DUPLICATE: 3843199

Parameter	Units	60473059001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.7	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 839014
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3839153 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/15/25 14:32	

LABORATORY CONTROL SAMPLE: 3839154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839155 3839156

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	98	97	90-110	1	20	

MATRIX SPIKE SAMPLE: 3839157

Parameter	Units	50398659003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	98	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 839156 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3839790 Matrix: Water
Associated Lab Samples: 50398653001, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/17/25 11:57	

LABORATORY CONTROL SAMPLE: 3839791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3839792 3839793

Parameter	Units	50398653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.4	10	10	11.0	11.0	96	95	80-120	0	15	

MATRIX SPIKE SAMPLE: 3839794

Parameter	Units	50398653004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	ND	10	11.1	98	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4D **Lab ID: 50398653001** Collected: 04/14/25 13:54 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.434 ± 0.437 (0.689) C:NA T:93%**	pCi/L	05/02/25 14:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.514 ± 0.325 (0.601) C:80% T:88%**	pCi/L	05/02/25 11:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.948 ± 0.762 (1.29)**	pCi/L	05/06/25 11:11	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4D MS 1 **Lab ID: 50398653002** Collected: 04/14/25 13:54 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**81.23 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/02/25 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**84.41% REC ± NA (NA) C:NA T:NA**	pCi/L	05/02/25 11:33	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4D MSD 1 **Lab ID: 50398653003** Collected: 04/14/25 13:54 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**98.80 %REC 19.52RPD ± NA (NA) C:NA T:NA**	pCi/L	05/02/25 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**90.12% REC 6.54 RPD ± NA (NA) C:NA T:NA**	pCi/L	05/02/25 11:33	15262-20-1	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4I **Lab ID: 50398653004** Collected: 04/14/25 10:59 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.215 ± 0.682 (1.23) C:NA T:92%**	pCi/L	05/02/25 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.429 ± 0.356 (0.708) C:77% T:82%**	pCi/L	05/02/25 11:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.644 ± 1.04 (1.94)**	pCi/L	05/06/25 11:11	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-4S **Lab ID: 50398653005** Collected: 04/14/25 14:30 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.526 ± 0.568 (0.916) C:NA T:97%**	pCi/L	05/02/25 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.466 ± 0.366 (0.719) C:74% T:83%**	pCi/L	05/02/25 11:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.992 ± 0.934 (1.64)**	pCi/L	05/06/25 11:11	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2S **Lab ID: 50398653006** Collected: 04/14/25 10:35 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.285 ± 0.830 (1.61) C:NA T:91%**	pCi/L	05/02/25 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.585 ± 0.504 (1.03) C:75% T:83%**	pCi/L	05/02/25 11:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.585 ± 1.33 (2.64)**	pCi/L	05/06/25 11:11	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2I **Lab ID: 50398653007** Collected: 04/14/25 12:55 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.949 ± 0.768 (1.18) C:NA T:91%**	pCi/L	05/02/25 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.818 ± 0.474 (0.890) C:76% T:88%**	pCi/L	05/02/25 11:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.77 ± 1.24 (2.07)**	pCi/L	05/06/25 11:11	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Sample: MW-2D **Lab ID: 50398653008** Collected: 04/14/25 11:45 Received: 04/14/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.955 ± 0.651 (0.897) C:NA T:92%**	pCi/L	05/02/25 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.761 ± 0.474 (0.901) C:73% T:89%**	pCi/L	05/02/25 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.72 ± 1.13 (1.80)**	pCi/L	05/06/25 11:11	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 740800 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398653001, 50398653002, 50398653003, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3605420 Matrix: Water
Associated Lab Samples: 50398653001, 50398653002, 50398653003, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.283 ± 0.295 (0.439) C:NA T:89%	pCi/L	05/02/25 14:36	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

QC Batch: 740801 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398653001, 50398653002, 50398653003, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

METHOD BLANK: 3605421 Matrix: Water
Associated Lab Samples: 50398653001, 50398653002, 50398653003, 50398653004, 50398653005, 50398653006, 50398653007, 50398653008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.489 ± 0.328 (0.615) C:76% T:84%	pCi/L	05/02/25 11:32	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H3	Sample was received or analysis requested beyond the recognized method holding time.
L5	LCS recovery exceeded QC limits. Batch accepted based on matrix spike recovery within LCS limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398653001	**MW-4D**	EPA 9056	839131		
50398653004	**MW-4I**	EPA 9056	839131		
50398653005	**MW-4S**	EPA 9056	839131		
50398653006	**MW-2S**	EPA 9056	839131		
50398653007	**MW-2I**	EPA 9056	839131		
50398653008	**MW-2D**	EPA 9056	839131		
50398653001	**MW-4D**	EPA 3010	838947	EPA 6010	839094
50398653004	**MW-4I**	EPA 3010	838947	EPA 6010	839094
50398653005	**MW-4S**	EPA 3010	838947	EPA 6010	839094
50398653006	**MW-2S**	EPA 3010	838947	EPA 6010	839094
50398653007	**MW-2I**	EPA 3010	838947	EPA 6010	839094
50398653008	**MW-2D**	EPA 3010	838947	EPA 6010	839094
50398653001	**MW-4D**	EPA 3010	839003	EPA 6010	839275
50398653004	**MW-4I**	EPA 3010	839003	EPA 6010	839275
50398653005	**MW-4S**	EPA 3010	839003	EPA 6010	839275
50398653006	**MW-2S**	EPA 3010	839003	EPA 6010	839275
50398653007	**MW-2I**	EPA 3010	839003	EPA 6010	839275
50398653008	**MW-2D**	EPA 3010	839003	EPA 6010	839275
50398653001	**MW-4D**	EPA 200.2	839045	EPA 6020	839270
50398653004	**MW-4I**	EPA 200.2	839045	EPA 6020	839270
50398653005	**MW-4S**	EPA 200.2	839045	EPA 6020	839270
50398653006	**MW-2S**	EPA 200.2	839045	EPA 6020	839270
50398653007	**MW-2I**	EPA 200.2	839045	EPA 6020	839270
50398653008	**MW-2D**	EPA 200.2	839045	EPA 6020	839270
50398653001	**MW-4D**	EPA 7470	840028	EPA 7470	840209
50398653004	**MW-4I**	EPA 7470	840028	EPA 7470	840209
50398653005	**MW-4S**	EPA 7470	840028	EPA 7470	840209
50398653006	**MW-2S**	EPA 7470	840028	EPA 7470	840209
50398653007	**MW-2I**	EPA 7470	840028	EPA 7470	840209
50398653008	**MW-2D**	EPA 7470	840028	EPA 7470	840209
50398653001	**MW-4D**	EPA 903.1	740800		
50398653002	**MW-4D MS 1**	EPA 903.1	740800		
50398653003	**MW-4D MSD 1**	EPA 903.1	740800		
50398653004	**MW-4I**	EPA 903.1	740800		
50398653005	**MW-4S**	EPA 903.1	740800		
50398653006	**MW-2S**	EPA 903.1	740800		
50398653007	**MW-2I**	EPA 903.1	740800		
50398653008	**MW-2D**	EPA 903.1	740800		
50398653001	**MW-4D**	EPA 904.0	740801		
50398653002	**MW-4D MS 1**	EPA 904.0	740801		
50398653003	**MW-4D MSD 1**	EPA 904.0	740801		
50398653004	**MW-4I**	EPA 904.0	740801		
50398653005	**MW-4S**	EPA 904.0	740801		
50398653006	**MW-2S**	EPA 904.0	740801		
50398653007	**MW-2I**	EPA 904.0	740801		
50398653008	**MW-2D**	EPA 904.0	740801		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398653

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398653001	**MW-4D**	Total Radium Calculation	743780		
50398653004	**MW-4I**	Total Radium Calculation	743780		
50398653005	**MW-4S**	Total Radium Calculation	743780		
50398653006	**MW-2S**	Total Radium Calculation	743780		
50398653007	**MW-2I**	Total Radium Calculation	743780		
50398653008	**MW-2D**	Total Radium Calculation	743780		
50398653001	**MW-4D**	SM 2320B	840046		
50398653004	**MW-4I**	SM 2320B	840046		
50398653005	**MW-4S**	SM 2320B	840244		
50398653006	**MW-2S**	SM 2320B	840244		
50398653007	**MW-2I**	SM 2320B	840244		
50398653008	**MW-2D**	SM 2320B	840244		
50398653001	**MW-4D**	SM 2540C	838915		
50398653004	**MW-4I**	SM 2540C	838915		
50398653005	**MW-4S**	SM 2540C	838915		
50398653006	**MW-2S**	SM 2540C	838915		
50398653007	**MW-2I**	SM 2540C	838915		
50398653008	**MW-2D**	SM 2540C	838915		
50398653001	**MW-4D**	SM 4500-H+B	839712		
50398653004	**MW-4I**	SM 4500-H+B	839712		
50398653005	**MW-4S**	SM 4500-H+B	839712		
50398653006	**MW-2S**	SM 4500-H+B	839712		
50398653007	**MW-2I**	SM 4500-H+B	839712		
50398653008	**MW-2D**	SM 4500-H+B	839712		
50398653001	**MW-4D**	EPA 353.2	839014		
50398653004	**MW-4I**	EPA 353.2	839014		
50398653005	**MW-4S**	EPA 353.2	839014		
50398653006	**MW-2S**	EPA 353.2	839014		
50398653007	**MW-2I**	EPA 353.2	839014		
50398653008	**MW-2D**	EPA 353.2	839014		
50398653001	**MW-4D**	SM 5310C	839156		
50398653004	**MW-4I**	SM 5310C	839156		
50398653005	**MW-4S**	SM 5310C	839156		
50398653006	**MW-2S**	SM 5310C	839156		
50398653007	**MW-2I**	SM 5310C	839156		
50398653008	**MW-2D**	SM 5310C	839156		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50398653

50398653

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW-4D	GW	Grab	~~4-14-25~~	1354			9			X	X	X	X	X	X	X	X	X	001
MW-4I	GW		4-14-25	1059			9			X	X	X	X	X	X	X	X	X	~~002~~ 004
MW-4S	GW			1430			9			X	X	X	X	X	X	X	X	X	~~003~~ 005
MW-2I	GW			1035			9			X	X	X	X	X	X	X	X	X	~~004~~ 006
MW-2S	GW			1255			9			X	X	X	X	X	X	X	X	X	~~005~~ 007
MW-2D	GW			1145			9			X	X	X	X	X	X	X	X	X	008
MS-1	GW	Grab	4-14-25	1354			9			X	X	X	X	X	X	X	X	X	002
MSD-1	GW	Grab	4-14-25	1354			9			X	X	X	X	X	X	X	X	X	003

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3238786

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name): Aaron Day / Mykah Beckett
Signature: Aaron Day /

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	F	0.0	see sour		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Aaron Day	4-14-25 / 1730	DD/Pace	4/14/25 17:30	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/14/25 18:30 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E (F) G H I

2. Cooler Temperature(s): (Initial/Corrected) 3.4/3.4 | 3.4/3.4 | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—
Short Hold Time Analysis (48 hours or less)? **Analysis:** 353.2 Nitrate	—	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		—
Custody Signatures Present?	—	
Containers Intact?	—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** **(HNO3 (<2))** **H2SO4 (<2)** **NaOH (>10)** **NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	—		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			—
Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details		—	
Trip Blank Present?		—	
Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			

Comments:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												6				6	3	6	3	3									WT	✓	✓		
2												2				2	1	2	1	1													
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Dear Mr. Breting:

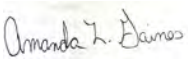
Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398810001	**MW-15S**	Water	04/16/25 15:12	04/16/25 17:25
50398810002	**MW-15I**	Water	04/16/25 13:50	04/16/25 17:25
50398810003	**MW-15D**	Water	04/16/25 11:26	04/16/25 17:25
50398810004	**DUP 5**	Water	04/16/25 08:00	04/16/25 17:25

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398810001	**MW-15S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398810002	**MW-15I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398810003	**MW-15D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398810004	**DUP 5**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398810001	**MW-15S**					
EPA 9056	Chloride	4.8	mg/L	0.25	04/19/25 00:32	
EPA 9056	Fluoride	0.20	mg/L	0.10	04/19/25 00:32	
EPA 9056	Sulfate	4.5	mg/L	0.25	04/19/25 00:32	
EPA 6010	Boron	132	ug/L	100	04/23/25 13:48	
EPA 6010	Calcium	87300	ug/L	1000	04/23/25 13:48	
EPA 6010	Magnesium	21100	ug/L	1000	04/23/25 13:48	
EPA 6010	Molybdenum	34.8	ug/L	10.0	04/23/25 13:48	
EPA 6010	Potassium	2000	ug/L	1000	04/23/25 13:48	
EPA 6010	Sodium	4220	ug/L	1000	04/23/25 13:48	
EPA 6010	Molybdenum, Dissolved	35.7	ug/L	10.0	04/24/25 23:45	
EPA 6020	Barium	42.5	ug/L	1.0	04/20/25 11:14	
EPA 903.1	Radium-226	0.0634 ± 0.373 (0.761) C:NA T:102%	pCi/L		04/28/25 13:58	
EPA 904.0	Radium-228	0.788 ± 0.430 (0.791) C:85% T:86%	pCi/L		04/25/25 10:33	
Total Radium Calculation	Total Radium	0.851 ± 0.803 (1.55)	pCi/L		04/28/25 15:21	
SM 2320B	Alkalinity, Total as CaCO3	319	mg/L	10.0	04/25/25 12:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	319	mg/L	10.0	04/25/25 12:06	
SM 2540C	Total Dissolved Solids	313	mg/L	10.0	04/17/25 11:29	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/21/25 11:31	H3
EPA 353.2	Nitrogen, Nitrate	6.1	mg/L	0.20	04/17/25 14:49	
50398810002	**MW-15I**					
EPA 9056	Chloride	81.7	mg/L	2.5	04/19/25 03:03	
EPA 9056	Fluoride	0.25	mg/L	0.10	04/19/25 02:47	
EPA 9056	Sulfate	108	mg/L	2.5	04/19/25 03:03	
EPA 6010	Boron	1820	ug/L	100	04/23/25 13:50	
EPA 6010	Calcium	121000	ug/L	1000	04/23/25 13:50	
EPA 6010	Lithium	102	ug/L	20.0	04/23/25 13:50	
EPA 6010	Magnesium	27400	ug/L	1000	04/23/25 13:50	
EPA 6010	Manganese	98.2	ug/L	10.0	04/23/25 13:50	
EPA 6010	Molybdenum	152	ug/L	10.0	04/23/25 13:50	
EPA 6010	Potassium	10800	ug/L	1000	04/23/25 13:50	
EPA 6010	Sodium	54800	ug/L	1000	04/23/25 13:50	
EPA 6010	Molybdenum, Dissolved	157	ug/L	10.0	04/24/25 23:56	
EPA 6020	Barium	76.1	ug/L	1.0	04/20/25 11:18	
EPA 6020	Cobalt	1.5	ug/L	1.0	04/20/25 11:18	
EPA 903.1	Radium-226	1.29 ± 1.04 (1.61) C:NA T:92%	pCi/L		04/28/25 13:58	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398810002	**MW-15I**					
EPA 904.0	Radium-228	1.08 ± 0.429 (0.655) C:86% T:76%	pCi/L		04/25/25 10:33	
Total Radium Calculation	Total Radium	2.37 ± 1.47 (2.27)	pCi/L		04/28/25 15:21	
SM 2320B	Alkalinity, Total as CaCO3	376	mg/L	10.0	04/25/25 12:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	376	mg/L	10.0	04/25/25 12:06	
SM 2540C	Total Dissolved Solids	636	mg/L	10.0	04/17/25 11:43	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/21/25 11:32	H3
EPA 353.2	Nitrogen, Nitrate	0.14	mg/L	0.10	04/17/25 14:42	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	04/18/25 22:08	
50398810003	**MW-15D**					
EPA 9056	Chloride	98.2	mg/L	2.5	04/19/25 03:54	
EPA 9056	Fluoride	0.28	mg/L	0.10	04/19/25 03:37	
EPA 9056	Sulfate	96.1	mg/L	2.5	04/19/25 03:54	
EPA 6010	Boron	2240	ug/L	100	04/23/25 13:52	
EPA 6010	Calcium	76200	ug/L	1000	04/23/25 13:52	
EPA 6010	Iron	159	ug/L	100	04/23/25 13:52	
EPA 6010	Lithium	62.7	ug/L	20.0	04/23/25 13:52	
EPA 6010	Magnesium	14100	ug/L	1000	04/23/25 13:52	
EPA 6010	Manganese	305	ug/L	10.0	04/23/25 13:52	
EPA 6010	Molybdenum	193	ug/L	10.0	04/23/25 13:52	
EPA 6010	Potassium	5820	ug/L	1000	04/23/25 13:52	
EPA 6010	Sodium	76200	ug/L	1000	04/23/25 13:52	
EPA 6010	Molybdenum, Dissolved	200	ug/L	10.0	04/24/25 23:58	
EPA 6020	Barium	53.5	ug/L	1.0	04/20/25 11:22	
EPA 903.1	Radium-226	0.534 ± 0.886 (1.53) C:NA T:92%	pCi/L		04/28/25 13:46	
EPA 904.0	Radium-228	0.397 ± 0.321 (0.632) C:80% T:79%	pCi/L		04/25/25 10:33	
Total Radium Calculation	Total Radium	0.931 ± 1.21 (2.16)	pCi/L		04/28/25 15:21	
SM 2320B	Alkalinity, Total as CaCO3	232	mg/L	10.0	04/25/25 12:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	214	mg/L	10.0	04/25/25 12:06	
SM 2320B	Alkalinity,Carbonate (CaCO3)	17.2	mg/L	10.0	04/25/25 12:06	
SM 2540C	Total Dissolved Solids	511	mg/L	10.0	04/17/25 11:45	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/21/25 11:34	H3
EPA 353.2	Nitrogen, Nitrate	0.55	mg/L	0.10	04/17/25 14:27	
SM 5310C	Dissolved Organic Carbon	1.4	mg/L	1.0	04/18/25 22:30	
50398810004	**DUP 5**					
EPA 9056	Chloride	83.0	mg/L	2.5	04/19/25 04:44	
EPA 9056	Fluoride	0.25	mg/L	0.10	04/19/25 04:27	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398810004	**DUP 5**					
EPA 9056	Sulfate	108	mg/L	2.5	04/19/25 04:44	
EPA 6010	Boron	1850	ug/L	100	04/23/25 13:54	
EPA 6010	Calcium	122000	ug/L	1000	04/23/25 13:54	
EPA 6010	Lithium	104	ug/L	20.0	04/23/25 13:54	
EPA 6010	Magnesium	27800	ug/L	1000	04/23/25 13:54	
EPA 6010	Manganese	90.7	ug/L	10.0	04/23/25 13:54	
EPA 6010	Molybdenum	155	ug/L	10.0	04/23/25 13:54	
EPA 6010	Potassium	11000	ug/L	1000	04/23/25 13:54	
EPA 6010	Sodium	56000	ug/L	1000	04/23/25 13:54	
EPA 6010	Molybdenum, Dissolved	159	ug/L	10.0	04/25/25 00:00	
EPA 6020	Barium	74.0	ug/L	1.0	04/20/25 11:26	
EPA 6020	Cobalt	1.4	ug/L	1.0	04/20/25 11:26	
EPA 903.1	Radium-226	1.27 ± 1.04 (1.61) C:NA T:96%	pCi/L		04/28/25 13:46	
EPA 904.0	Radium-228	0.835 ± 0.369 (0.598) C:83% T:85%	pCi/L		04/25/25 10:33	
Total Radium Calculation	Total Radium	2.11 ± 1.41 (2.21)	pCi/L		04/28/25 15:21	
SM 2320B	Alkalinity, Total as CaCO3	367	mg/L	10.0	04/25/25 12:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	367	mg/L	10.0	04/25/25 12:06	
SM 2540C	Total Dissolved Solids	631	mg/L	10.0	04/17/25 11:45	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/21/25 11:34	H3
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	04/25/25 03:56	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15S **Lab ID: 50398810001** Collected: 04/16/25 15:12 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**4.8**	mg/L	0.25	0.13	1		04/19/25 00:32	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.016	1		04/19/25 00:32	16984-48-8	
Sulfate	**4.5**	mg/L	0.25	0.19	1		04/19/25 00:32	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**132**	ug/L	100	5.6	1	04/18/25 07:55	04/23/25 13:48	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/18/25 07:55	04/23/25 13:48	7440-43-9	
Calcium	**87300**	ug/L	1000	83.9	1	04/18/25 07:55	04/23/25 13:48	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/18/25 07:55	04/23/25 13:48	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/18/25 07:55	04/23/25 13:48	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/18/25 07:55	04/23/25 13:48	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/18/25 07:55	04/23/25 13:48	7439-93-2	
Magnesium	**21100**	ug/L	1000	53.7	1	04/18/25 07:55	04/23/25 13:48	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/18/25 07:55	04/23/25 13:48	7439-96-5	
Molybdenum	**34.8**	ug/L	10.0	1.4	1	04/18/25 07:55	04/23/25 13:48	7439-98-7	
Potassium	**2000**	ug/L	1000	113	1	04/18/25 07:55	04/23/25 13:48	7440-09-7	
Sodium	**4220**	ug/L	1000	95.0	1	04/18/25 07:55	04/23/25 13:48	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**35.7**	ug/L	10.0	1.4	1	04/22/25 08:31	04/24/25 23:45	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/19/25 15:21	04/20/25 11:14	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/19/25 15:21	04/20/25 11:14	7440-38-2	
Barium	**42.5**	ug/L	1.0	0.11	1	04/19/25 15:21	04/20/25 11:14	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/19/25 15:21	04/20/25 11:14	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/19/25 15:21	04/20/25 11:14	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/19/25 15:21	04/20/25 11:14	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/19/25 15:21	04/20/25 11:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 07:52	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**319**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Bicarbonate (CaCO3)	**319**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/25/25 12:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15S **Lab ID: 50398810001** Collected: 04/16/25 15:12 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**313**	mg/L	10.0	10.0	1		04/17/25 11:29		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/21/25 11:31		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**6.1**	mg/L	0.20	0.026	2		04/17/25 14:49	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/18/25 21:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15I **Lab ID: 50398810002** Collected: 04/16/25 13:50 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**81.7**	mg/L	2.5	1.3	10		04/19/25 03:03	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.016	1		04/19/25 02:47	16984-48-8	
Sulfate	**108**	mg/L	2.5	1.9	10		04/19/25 03:03	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1820**	ug/L	100	5.6	1	04/18/25 07:55	04/23/25 13:50	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/18/25 07:55	04/23/25 13:50	7440-43-9	
Calcium	**121000**	ug/L	1000	83.9	1	04/18/25 07:55	04/23/25 13:50	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/18/25 07:55	04/23/25 13:50	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/18/25 07:55	04/23/25 13:50	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/18/25 07:55	04/23/25 13:50	7439-92-1	
Lithium	**102**	ug/L	20.0	3.8	1	04/18/25 07:55	04/23/25 13:50	7439-93-2	
Magnesium	**27400**	ug/L	1000	53.7	1	04/18/25 07:55	04/23/25 13:50	7439-95-4	
Manganese	**98.2**	ug/L	10.0	0.77	1	04/18/25 07:55	04/23/25 13:50	7439-96-5	
Molybdenum	**152**	ug/L	10.0	1.4	1	04/18/25 07:55	04/23/25 13:50	7439-98-7	
Potassium	**10800**	ug/L	1000	113	1	04/18/25 07:55	04/23/25 13:50	7440-09-7	
Sodium	**54800**	ug/L	1000	95.0	1	04/18/25 07:55	04/23/25 13:50	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**157**	ug/L	10.0	1.4	1	04/22/25 08:31	04/24/25 23:56	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/19/25 15:21	04/20/25 11:18	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/19/25 15:21	04/20/25 11:18	7440-38-2	
Barium	**76.1**	ug/L	1.0	0.11	1	04/19/25 15:21	04/20/25 11:18	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/19/25 15:21	04/20/25 11:18	7440-41-7	
Cobalt	**1.5**	ug/L	1.0	0.045	1	04/19/25 15:21	04/20/25 11:18	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/19/25 15:21	04/20/25 11:18	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/19/25 15:21	04/20/25 11:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 07:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**376**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Bicarbonate (CaCO3)	**376**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/25/25 12:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15I **Lab ID: 50398810002** Collected: 04/16/25 13:50 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**636**	mg/L	10.0	10.0	1		04/17/25 11:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/21/25 11:32		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.14**	mg/L	0.10	0.013	1		04/17/25 14:42	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.30	1		04/18/25 22:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15D **Lab ID: 50398810003** Collected: 04/16/25 11:26 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**98.2**	mg/L	2.5	1.3	10		04/19/25 03:54	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.016	1		04/19/25 03:37	16984-48-8	
Sulfate	**96.1**	mg/L	2.5	1.9	10		04/19/25 03:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2240**	ug/L	100	5.6	1	04/18/25 07:55	04/23/25 13:52	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/18/25 07:55	04/23/25 13:52	7440-43-9	
Calcium	**76200**	ug/L	1000	83.9	1	04/18/25 07:55	04/23/25 13:52	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/18/25 07:55	04/23/25 13:52	7440-47-3	
Iron	**159**	ug/L	100	41.0	1	04/18/25 07:55	04/23/25 13:52	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/18/25 07:55	04/23/25 13:52	7439-92-1	
Lithium	**62.7**	ug/L	20.0	3.8	1	04/18/25 07:55	04/23/25 13:52	7439-93-2	
Magnesium	**14100**	ug/L	1000	53.7	1	04/18/25 07:55	04/23/25 13:52	7439-95-4	
Manganese	**305**	ug/L	10.0	0.77	1	04/18/25 07:55	04/23/25 13:52	7439-96-5	
Molybdenum	**193**	ug/L	10.0	1.4	1	04/18/25 07:55	04/23/25 13:52	7439-98-7	
Potassium	**5820**	ug/L	1000	113	1	04/18/25 07:55	04/23/25 13:52	7440-09-7	
Sodium	**76200**	ug/L	1000	95.0	1	04/18/25 07:55	04/23/25 13:52	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**200**	ug/L	10.0	1.4	1	04/22/25 08:31	04/24/25 23:58	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/19/25 15:21	04/20/25 11:22	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/19/25 15:21	04/20/25 11:22	7440-38-2	
Barium	**53.5**	ug/L	1.0	0.11	1	04/19/25 15:21	04/20/25 11:22	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/19/25 15:21	04/20/25 11:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/19/25 15:21	04/20/25 11:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/19/25 15:21	04/20/25 11:22	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/19/25 15:21	04/20/25 11:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 07:57	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**232**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Bicarbonate (CaCO3)	**214**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Carbonate (CaCO3)	**17.2**	mg/L	10.0	10.0	1		04/25/25 12:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15D **Lab ID: 50398810003** Collected: 04/16/25 11:26 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**511**	mg/L	10.0	10.0	1		04/17/25 11:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/21/25 11:34		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.55**	mg/L	0.10	0.013	1		04/17/25 14:27	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.4**	mg/L	1.0	0.30	1		04/18/25 22:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: DUP 5 **Lab ID: 50398810004** Collected: 04/16/25 08:00 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**83.0**	mg/L	2.5	1.3	10		04/19/25 04:44	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.016	1		04/19/25 04:27	16984-48-8	
Sulfate	**108**	mg/L	2.5	1.9	10		04/19/25 04:44	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**1850**	ug/L	100	5.6	1	04/18/25 07:55	04/23/25 13:54	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/18/25 07:55	04/23/25 13:54	7440-43-9	
Calcium	**122000**	ug/L	1000	83.9	1	04/18/25 07:55	04/23/25 13:54	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/18/25 07:55	04/23/25 13:54	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/18/25 07:55	04/23/25 13:54	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/18/25 07:55	04/23/25 13:54	7439-92-1	
Lithium	**104**	ug/L	20.0	3.8	1	04/18/25 07:55	04/23/25 13:54	7439-93-2	
Magnesium	**27800**	ug/L	1000	53.7	1	04/18/25 07:55	04/23/25 13:54	7439-95-4	
Manganese	**90.7**	ug/L	10.0	0.77	1	04/18/25 07:55	04/23/25 13:54	7439-96-5	
Molybdenum	**155**	ug/L	10.0	1.4	1	04/18/25 07:55	04/23/25 13:54	7439-98-7	
Potassium	**11000**	ug/L	1000	113	1	04/18/25 07:55	04/23/25 13:54	7440-09-7	
Sodium	**56000**	ug/L	1000	95.0	1	04/18/25 07:55	04/23/25 13:54	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**159**	ug/L	10.0	1.4	1	04/22/25 08:31	04/25/25 00:00	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/19/25 15:21	04/20/25 11:26	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/19/25 15:21	04/20/25 11:26	7440-38-2	
Barium	**74.0**	ug/L	1.0	0.11	1	04/19/25 15:21	04/20/25 11:26	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/19/25 15:21	04/20/25 11:26	7440-41-7	
Cobalt	**1.4**	ug/L	1.0	0.045	1	04/19/25 15:21	04/20/25 11:26	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/19/25 15:21	04/20/25 11:26	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/19/25 15:21	04/20/25 11:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 08:00	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**367**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Bicarbonate (CaCO3)	**367**	mg/L	10.0	10.0	1		04/25/25 12:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/25/25 12:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: DUP 5 **Lab ID: 50398810004** Collected: 04/16/25 08:00 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**631**	mg/L	10.0	10.0	1		04/17/25 11:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/21/25 11:34		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/17/25 14:10	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.9**	mg/L	1.0	0.30	1		04/25/25 03:56		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839543
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3842069 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/18/25 17:49	
Fluoride	mg/L	ND	0.10	0.016	04/18/25 17:49	
Sulfate	mg/L	ND	0.25	0.19	04/18/25 17:49	

LABORATORY CONTROL SAMPLE: 3842070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	94	80-120	
Fluoride	mg/L	1	1.0	100	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3842071 3842072

Parameter	Units	50398810001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.8	2.5	2.5	7.1	7.0	91	89	80-120	1	15	
Fluoride	mg/L	0.20	1	1	1.2	1.2	102	100	80-120	1	15	
Sulfate	mg/L	4.5	5	5	9.5	9.4	99	97	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 840975
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3849040 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/01/25 07:47	

LABORATORY CONTROL SAMPLE: 3849041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849042 3849043

Parameter	Units	50398888002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.9	100	97	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839266
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3840405 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/23/25 12:55	
Cadmium	ug/L	ND	2.0	0.46	04/23/25 12:55	
Calcium	ug/L	ND	1000	83.9	04/23/25 12:55	
Chromium	ug/L	ND	10.0	0.96	04/23/25 12:55	
Iron	ug/L	ND	100	41.0	04/23/25 12:55	
Lead	ug/L	ND	10.0	2.0	04/23/25 12:55	
Lithium	ug/L	ND	20.0	3.8	04/23/25 12:55	
Magnesium	ug/L	ND	1000	53.7	04/23/25 12:55	
Manganese	ug/L	ND	10.0	0.77	04/23/25 12:55	
Molybdenum	ug/L	ND	10.0	1.4	04/23/25 12:55	
Potassium	ug/L	ND	1000	113	04/23/25 12:55	
Sodium	ug/L	ND	1000	95.0	04/23/25 12:55	

LABORATORY CONTROL SAMPLE: 3840406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	903	90	80-120	
Cadmium	ug/L	1000	924	92	80-120	
Calcium	ug/L	10000	9530	95	80-120	
Chromium	ug/L	1000	970	97	80-120	
Iron	ug/L	10000	9250	93	80-120	
Lead	ug/L	1000	904	90	80-120	
Lithium	ug/L	1000	905	91	80-120	
Magnesium	ug/L	10000	9070	91	80-120	
Manganese	ug/L	1000	879	88	80-120	
Molybdenum	ug/L	1000	980	98	80-120	
Potassium	ug/L	10000	9280	93	80-120	
Sodium	ug/L	10000	9340	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840407 3840408

Parameter	Units	50397046036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	83.8J	1000	1000	1000	1020	92	94	75-125	2	20	
Cadmium	ug/L	<0.46	1000	1000	927	943	93	94	75-125	2	20	
Calcium	ug/L	84800	10000	10000	93400	94900	86	100	75-125	2	20	
Chromium	ug/L	1.1J	1000	1000	956	977	95	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840407 3840408

Parameter	Units	50397046036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	<41.0	10000	10000	9150	9270	91	93	75-125	1	20	
Lead	ug/L	<2.0	1000	1000	888	903	89	90	75-125	2	20	
Lithium	ug/L	4.2J	1000	1000	922	924	92	92	75-125	0	20	
Magnesium	ug/L	26600	10000	10000	35400	35900	89	93	75-125	1	20	
Manganese	ug/L	284	1000	1000	1150	1170	87	88	75-125	1	20	
Molybdenum	ug/L	21.5	1000	1000	1010	1030	99	101	75-125	2	20	
Potassium	ug/L	1650	10000	10000	11100	11100	95	95	75-125	0	20	
Sodium	ug/L	8100	10000	10000	17500	17700	94	96	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839396
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3841051 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/24/25 23:41	

LABORATORY CONTROL SAMPLE: 3841052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	990	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3841053 3841054

Parameter	Units	50398810001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	35.7	1000	1000	1040	1060	100	102	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839528
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3842017 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/20/25 04:08	
Arsenic	ug/L	ND	1.0	0.080	04/20/25 04:08	
Barium	ug/L	ND	1.0	0.11	04/20/25 04:08	
Beryllium	ug/L	ND	0.20	0.026	04/20/25 04:08	
Cobalt	ug/L	ND	1.0	0.045	04/20/25 04:08	
Selenium	ug/L	ND	1.0	0.26	04/20/25 04:08	
Thallium	ug/L	ND	1.0	0.052	04/20/25 04:08	

LABORATORY CONTROL SAMPLE: 3842018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.8	99	80-120	
Arsenic	ug/L	40	38.9	97	80-120	
Barium	ug/L	40	38.4	96	80-120	
Beryllium	ug/L	40	37.6	94	80-120	
Cobalt	ug/L	40	40.2	101	80-120	
Selenium	ug/L	40	38.5	96	80-120	
Thallium	ug/L	40	40.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3842035 3842036

Parameter	Units	50399023003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	41.7	42.4	104	106	75-125	2	20	
Arsenic	ug/L	ND	40	40	38.8	38.0	97	95	75-125	2	20	
Barium	ug/L	0.026 mg/L	40	40	64.8	66.5	96	100	75-125	3	20	
Beryllium	ug/L	ND	40	40	38.5	38.4	96	96	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.6	39.3	94	96	75-125	2	20	
Selenium	ug/L	ND	40	40	39.1	38.3	98	96	75-125	2	20	
Thallium	ug/L	ND	40	40	41.6	42.6	104	106	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 840450
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3846173 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/25/25 12:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/25/25 12:06	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/25/25 12:06	

LABORATORY CONTROL SAMPLE: 3846174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	90-110	

SAMPLE DUPLICATE: 3846175

Parameter	Units	50399095013 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	322	321	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	322	321	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3846176

Parameter	Units	50399095015 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	316	318	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	316	318	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839329 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3840762 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/17/25 11:28	

LABORATORY CONTROL SAMPLE: 3840763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 3841588

Parameter	Units	50398810001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	313	314	0	10	

SAMPLE DUPLICATE: 3841589

Parameter	Units	50398810002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	636	633	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839713
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

SAMPLE DUPLICATE: 3843200

Parameter	Units	50398762001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.2	0	2	H3

SAMPLE DUPLICATE: 3843201

Parameter	Units	50398933006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.9	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839345
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3840820 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/17/25 14:03	

LABORATORY CONTROL SAMPLE: 3840821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840822 3840823

Parameter	Units	50398803006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	1.5	1	1	2.5	2.5	99	100	90-110	1	20	

MATRIX SPIKE SAMPLE: 3840824

Parameter	Units	50398810002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.14	1	1.1	96	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 839367 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810001, 50398810002, 50398810003

METHOD BLANK: 3840920 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/18/25 17:06	

LABORATORY CONTROL SAMPLE: 3840921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840922 3840923

Parameter	Units	50398826005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.8	10	10	12.7	12.8	99	100	80-120	0	15	

MATRIX SPIKE SAMPLE: 3840924

Parameter	Units	50398826006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.1	10	12.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 840409
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398810004

METHOD BLANK: 3845732 Matrix: Water
Associated Lab Samples: 50398810004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/25/25 02:32	

LABORATORY CONTROL SAMPLE: 3845733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845734 3845735

Parameter	Units	50398938001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.4	10	10	11.2	11.2	88	89	80-120	1	15	

MATRIX SPIKE SAMPLE: 3845736

Parameter	Units	50398938002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.5	10	10.7	92	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15S **Lab ID: 50398810001** Collected: 04/16/25 15:12 Received: 04/16/25 17:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0634 ± 0.373 (0.761) C:NA T:102%**	pCi/L	04/28/25 13:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.788 ± 0.430 (0.791) C:85% T:86%**	pCi/L	04/25/25 10:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.851 ± 0.803 (1.55)**	pCi/L	04/28/25 15:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15I **Lab ID: 50398810002** Collected: 04/16/25 13:50 Received: 04/16/25 17:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.29 ± 1.04 (1.61) C:NA T:92%**	pCi/L	04/28/25 13:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.08 ± 0.429 (0.655) C:86% T:76%**	pCi/L	04/25/25 10:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.37 ± 1.47 (2.27)**	pCi/L	04/28/25 15:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: MW-15D **Lab ID: 50398810003** Collected: 04/16/25 11:26 Received: 04/16/25 17:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.534 ± 0.886 (1.53) C:NA T:92%**	pCi/L	04/28/25 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.397 ± 0.321 (0.632) C:80% T:79%**	pCi/L	04/25/25 10:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.931 ± 1.21 (2.16)**	pCi/L	04/28/25 15:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Sample: DUP 5 **Lab ID: 50398810004** Collected: 04/16/25 08:00 Received: 04/16/25 17:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.27 ± 1.04 (1.61) C:NA T:96%**	pCi/L	04/28/25 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.835 ± 0.369 (0.598) C:83% T:85%**	pCi/L	04/25/25 10:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.11 ± 1.41 (2.21)**	pCi/L	04/28/25 15:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 741079
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3606499
Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.553 ± 0.311 (0.544) C:79% T:89%	pCi/L	04/25/25 10:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

QC Batch: 741080 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

METHOD BLANK: 3606500 Matrix: Water
Associated Lab Samples: 50398810001, 50398810002, 50398810003, 50398810004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0517 ± 0.236 (0.480) C:NA T:100%	pCi/L	04/28/25 13:33	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398810001	**MW-15S**	EPA 9056	839543		
50398810002	**MW-15I**	EPA 9056	839543		
50398810003	**MW-15D**	EPA 9056	839543		
50398810004	**DUP 5**	EPA 9056	839543		
50398810001	**MW-15S**	EPA 3010	839266	EPA 6010	840129
50398810002	**MW-15I**	EPA 3010	839266	EPA 6010	840129
50398810003	**MW-15D**	EPA 3010	839266	EPA 6010	840129
50398810004	**DUP 5**	EPA 3010	839266	EPA 6010	840129
50398810001	**MW-15S**	EPA 3010	839396	EPA 6010	840442
50398810002	**MW-15I**	EPA 3010	839396	EPA 6010	840442
50398810003	**MW-15D**	EPA 3010	839396	EPA 6010	840442
50398810004	**DUP 5**	EPA 3010	839396	EPA 6010	840442
50398810001	**MW-15S**	EPA 200.2	839528	EPA 6020	839687
50398810002	**MW-15I**	EPA 200.2	839528	EPA 6020	839687
50398810003	**MW-15D**	EPA 200.2	839528	EPA 6020	839687
50398810004	**DUP 5**	EPA 200.2	839528	EPA 6020	839687
50398810001	**MW-15S**	EPA 7470	840975	EPA 7470	841314
50398810002	**MW-15I**	EPA 7470	840975	EPA 7470	841314
50398810003	**MW-15D**	EPA 7470	840975	EPA 7470	841314
50398810004	**DUP 5**	EPA 7470	840975	EPA 7470	841314
50398810001	**MW-15S**	EPA 903.1	741080		
50398810002	**MW-15I**	EPA 903.1	741080		
50398810003	**MW-15D**	EPA 903.1	741080		
50398810004	**DUP 5**	EPA 903.1	741080		
50398810001	**MW-15S**	EPA 904.0	741079		
50398810002	**MW-15I**	EPA 904.0	741079		
50398810003	**MW-15D**	EPA 904.0	741079		
50398810004	**DUP 5**	EPA 904.0	741079		
50398810001	**MW-15S**	Total Radium Calculation	742378		
50398810002	**MW-15I**	Total Radium Calculation	742378		
50398810003	**MW-15D**	Total Radium Calculation	742378		
50398810004	**DUP 5**	Total Radium Calculation	742378		
50398810001	**MW-15S**	SM 2320B	840450		
50398810002	**MW-15I**	SM 2320B	840450		
50398810003	**MW-15D**	SM 2320B	840450		
50398810004	**DUP 5**	SM 2320B	840450		
50398810001	**MW-15S**	SM 2540C	839329		
50398810002	**MW-15I**	SM 2540C	839329		
50398810003	**MW-15D**	SM 2540C	839329		
50398810004	**DUP 5**	SM 2540C	839329		
50398810001	**MW-15S**	SM 4500-H+B	839713		
50398810002	**MW-15I**	SM 4500-H+B	839713		
50398810003	**MW-15D**	SM 4500-H+B	839713		
50398810004	**DUP 5**	SM 4500-H+B	839713		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50398810

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398810001	**MW-15S**	EPA 353.2	839345		
50398810002	**MW-15I**	EPA 353.2	839345		
50398810003	**MW-15D**	EPA 353.2	839345		
50398810004	**DUP 5**	EPA 353.2	839345		
50398810001	**MW-15S**	SM 5310C	839367		
50398810002	**MW-15I**	SM 5310C	839367		
50398810003	**MW-15D**	SM 5310C	839367		
50398810004	**DUP 5**	SM 5310C	840409		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50398810

50398810

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [x] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment	Preservation non-conformance identified for sample.
MW-15S	GW	G			4-16-25	1512	9			X	X	X	X	X	X	X	X	X		
MW-16I	↓	↓			↓	1350	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		
MW-15D	↓	↓			↓	1126	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		
DUP-5	↓	↓			↓	—	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3239337

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mykah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	C	-.1	1.3	1.2	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		SS/Pace	4/16/25 17:25
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/16/25 17:25 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B (C) (D) E F G H I	**3. Packing Material:** Bubble Wrap Bubble Bags None Other _____
2. Cooler Temperature(s): (Initial/Corrected) 1.3/1.2 RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)	**4. Ice Type:** Wet Blue None
3. Was the PM notified of out of temp cooler?: Yes No Cooler temp should be above freezing to 6°C If the PM was contacted in the comments below please write how they instructed the project to proceed	**5. Courier:** Fed Ex UPS (Client) Pace Now/Jett Other **6. Custody Seal on Cooler/Box Present:** Yes (No) **(If yes)Seals Intact:** Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		~	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** (HNO3 (<2)) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	~		
Short Hold Time Analysis (48 hours or less)? **Analysis:** NO2/NO3	~					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ~
Rush TAT Requested (4 days or less):		~	Residual Chlorine Check (Total/Amenable/Free Cyanide)			~
Custody Signatures Present?		~	Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ~
Containers Intact?:	~		Trip Blank Present?		~	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	~		Trip Blank Custody Seals?:			~
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												2				2	1	2	1	1									WT	✓	✓		
2												↓				↓	↓	↓	↓	↓									↓	↓	↓			
3												↓				↓	↓	↓	↓	↓									↓	↓	↓			
4												↓				↓	↓	↓	↓	↓									↓	↓	↓			
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic	NT3U	Non Teflon 250mL unpreserved plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic	BP4U	125mL unpreserved plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic	BP4N	125mL HNO3 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic	BP4S	125mL H2SO4 plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac		
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic		
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic		
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic		
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac		
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic		
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered		
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic		
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic		
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Dear Mr. Breting:

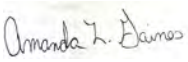
Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398811001	**MW-18D**	Water	04/16/25 11:00	04/16/25 17:25
50398811002	**DUP 7**	Water	04/16/25 08:00	04/16/25 17:25

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398811001	**MW-18D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398811002	**DUP 7**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398811001	**MW-18D**					
EPA 9056	Chloride	187	mg/L	2.5	04/19/25 05:51	
EPA 9056	Fluoride	0.14	mg/L	0.10	04/19/25 05:34	
EPA 9056	Sulfate	230	mg/L	2.5	04/19/25 05:51	
EPA 6010	Boron	4950	ug/L	100	04/23/25 13:56	
EPA 6010	Calcium	108000	ug/L	1000	04/23/25 13:56	
EPA 6010	Iron	774	ug/L	100	04/23/25 13:56	
EPA 6010	Lithium	86.2	ug/L	20.0	04/23/25 13:56	
EPA 6010	Magnesium	21200	ug/L	1000	04/23/25 13:56	
EPA 6010	Manganese	448	ug/L	10.0	04/23/25 13:56	
EPA 6010	Molybdenum	157	ug/L	10.0	04/23/25 13:56	
EPA 6010	Potassium	7270	ug/L	1000	04/23/25 13:56	
EPA 6010	Sodium	100000	ug/L	1000	04/23/25 13:56	
EPA 6010	Molybdenum, Dissolved	163	ug/L	10.0	04/25/25 00:07	
EPA 6020	Arsenic	1.3	ug/L	1.0	04/20/25 11:37	
EPA 6020	Barium	108	ug/L	1.0	04/20/25 11:37	
EPA 903.1	Radium-226	0.334 ± 0.380 (0.599) C:NA T:92%	pCi/L		05/06/25 14:50	
EPA 904.0	Radium-228	1.21 ± 0.589 (1.06) C:85% T:76%	pCi/L		05/09/25 11:17	
Total Radium Calculation	Total Radium	1.54 ± 0.969 (1.66)	pCi/L		05/09/25 15:32	
SM 2320B	Alkalinity, Total as CaCO3	206	mg/L	10.0	04/28/25 11:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	206	mg/L	10.0	04/28/25 11:40	
SM 2540C	Total Dissolved Solids	748	mg/L	20.0	04/17/25 11:45	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/21/25 11:36	H3
50398811002	**DUP 7**					
EPA 9056	Chloride	174	mg/L	2.5	04/19/25 06:42	
EPA 9056	Fluoride	0.13	mg/L	0.10	04/19/25 06:25	
EPA 9056	Sulfate	216	mg/L	2.5	04/19/25 06:42	
EPA 6010	Boron	5160	ug/L	100	04/23/25 13:59	
EPA 6010	Calcium	114000	ug/L	1000	04/23/25 13:59	
EPA 6010	Iron	795	ug/L	100	04/23/25 13:59	
EPA 6010	Lithium	90.8	ug/L	20.0	04/23/25 13:59	
EPA 6010	Magnesium	22200	ug/L	1000	04/23/25 13:59	
EPA 6010	Manganese	472	ug/L	10.0	04/23/25 13:59	
EPA 6010	Molybdenum	161	ug/L	10.0	04/23/25 13:59	
EPA 6010	Potassium	7650	ug/L	1000	04/23/25 13:59	
EPA 6010	Sodium	105000	ug/L	1000	04/23/25 13:59	
EPA 6010	Molybdenum, Dissolved	161	ug/L	10.0	04/25/25 00:09	
EPA 6020	Arsenic	1.3	ug/L	1.0	04/20/25 11:41	
EPA 6020	Barium	106	ug/L	1.0	04/20/25 11:41	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398811002	**DUP 7**					
EPA 903.1	Radium-226	-1.15 ± 0.708 (1.60) C:NA T:93%	pCi/L		05/06/25 14:50	
EPA 904.0	Radium-228	2.47 ± 0.758 (1.00) C:85% T:73%	pCi/L		05/09/25 11:17	
Total Radium Calculation	Total Radium	2.47 ± 1.47 (2.60)	pCi/L		05/09/25 15:32	
SM 2320B	Alkalinity, Total as CaCO3	203	mg/L	10.0	04/28/25 11:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	203	mg/L	10.0	04/28/25 11:40	
SM 2540C	Total Dissolved Solids	736	mg/L	20.0	04/17/25 11:45	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/21/25 11:37	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Sample: MW-18D **Lab ID: 50398811001** Collected: 04/16/25 11:00 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**187**	mg/L	2.5	1.3	10		04/19/25 05:51	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.016	1		04/19/25 05:34	16984-48-8	
Sulfate	**230**	mg/L	2.5	1.9	10		04/19/25 05:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**4950**	ug/L	100	5.6	1	04/18/25 07:55	04/23/25 13:56	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/18/25 07:55	04/23/25 13:56	7440-43-9	
Calcium	**108000**	ug/L	1000	83.9	1	04/18/25 07:55	04/23/25 13:56	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/18/25 07:55	04/23/25 13:56	7440-47-3	
Iron	**774**	ug/L	100	41.0	1	04/18/25 07:55	04/23/25 13:56	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/18/25 07:55	04/23/25 13:56	7439-92-1	
Lithium	**86.2**	ug/L	20.0	3.8	1	04/18/25 07:55	04/23/25 13:56	7439-93-2	
Magnesium	**21200**	ug/L	1000	53.7	1	04/18/25 07:55	04/23/25 13:56	7439-95-4	
Manganese	**448**	ug/L	10.0	0.77	1	04/18/25 07:55	04/23/25 13:56	7439-96-5	
Molybdenum	**157**	ug/L	10.0	1.4	1	04/18/25 07:55	04/23/25 13:56	7439-98-7	
Potassium	**7270**	ug/L	1000	113	1	04/18/25 07:55	04/23/25 13:56	7440-09-7	
Sodium	**100000**	ug/L	1000	95.0	1	04/18/25 07:55	04/23/25 13:56	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**163**	ug/L	10.0	1.4	1	04/22/25 08:31	04/25/25 00:07	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/19/25 15:21	04/20/25 11:37	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.080	1	04/19/25 15:21	04/20/25 11:37	7440-38-2	
Barium	**108**	ug/L	1.0	0.11	1	04/19/25 15:21	04/20/25 11:37	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/19/25 15:21	04/20/25 11:37	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/19/25 15:21	04/20/25 11:37	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/19/25 15:21	04/20/25 11:37	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/19/25 15:21	04/20/25 11:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 08:02	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**206**	mg/L	10.0	10.0	1		04/28/25 11:40		
Alkalinity,Bicarbonate (CaCO3)	**206**	mg/L	10.0	10.0	1		04/28/25 11:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/28/25 11:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Sample: MW-18D **Lab ID: 50398811001** Collected: 04/16/25 11:00 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**748**	mg/L	20.0	20.0	1		04/17/25 11:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/21/25 11:36		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/17/25 14:14	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/18/25 22:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Sample: DUP 7 **Lab ID: 50398811002** Collected: 04/16/25 08:00 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**174**	mg/L	2.5	1.3	10		04/19/25 06:42	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.016	1		04/19/25 06:25	16984-48-8	
Sulfate	**216**	mg/L	2.5	1.9	10		04/19/25 06:42	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**5160**	ug/L	100	5.6	1	04/18/25 07:55	04/23/25 13:59	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/18/25 07:55	04/23/25 13:59	7440-43-9	
Calcium	**114000**	ug/L	1000	83.9	1	04/18/25 07:55	04/23/25 13:59	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/18/25 07:55	04/23/25 13:59	7440-47-3	
Iron	**795**	ug/L	100	41.0	1	04/18/25 07:55	04/23/25 13:59	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/18/25 07:55	04/23/25 13:59	7439-92-1	
Lithium	**90.8**	ug/L	20.0	3.8	1	04/18/25 07:55	04/23/25 13:59	7439-93-2	
Magnesium	**22200**	ug/L	1000	53.7	1	04/18/25 07:55	04/23/25 13:59	7439-95-4	
Manganese	**472**	ug/L	10.0	0.77	1	04/18/25 07:55	04/23/25 13:59	7439-96-5	
Molybdenum	**161**	ug/L	10.0	1.4	1	04/18/25 07:55	04/23/25 13:59	7439-98-7	
Potassium	**7650**	ug/L	1000	113	1	04/18/25 07:55	04/23/25 13:59	7440-09-7	
Sodium	**105000**	ug/L	1000	95.0	1	04/18/25 07:55	04/23/25 13:59	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**161**	ug/L	10.0	1.4	1	04/22/25 08:31	04/25/25 00:09	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/19/25 15:21	04/20/25 11:41	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.080	1	04/19/25 15:21	04/20/25 11:41	7440-38-2	
Barium	**106**	ug/L	1.0	0.11	1	04/19/25 15:21	04/20/25 11:41	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/19/25 15:21	04/20/25 11:41	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/19/25 15:21	04/20/25 11:41	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/19/25 15:21	04/20/25 11:41	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/19/25 15:21	04/20/25 11:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 08:05	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**203**	mg/L	10.0	10.0	1		04/28/25 11:40		
Alkalinity,Bicarbonate (CaCO3)	**203**	mg/L	10.0	10.0	1		04/28/25 11:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/28/25 11:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Sample: DUP 7 **Lab ID: 50398811002** Collected: 04/16/25 08:00 Received: 04/16/25 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**736**	mg/L	20.0	20.0	1		04/17/25 11:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/21/25 11:37		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/17/25 14:12	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/25/25 04:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839543
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3842069 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/18/25 17:49	
Fluoride	mg/L	ND	0.10	0.016	04/18/25 17:49	
Sulfate	mg/L	ND	0.25	0.19	04/18/25 17:49	

LABORATORY CONTROL SAMPLE: 3842070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	94	80-120	
Fluoride	mg/L	1	1.0	100	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3842071 3842072

Parameter	Units	50398810001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.8	2.5	2.5	7.1	7.0	91	89	80-120	1	15	
Fluoride	mg/L	0.20	1	1	1.2	1.2	102	100	80-120	1	15	
Sulfate	mg/L	4.5	5	5	9.5	9.4	99	97	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 840975
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3849040 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/01/25 07:47	

LABORATORY CONTROL SAMPLE: 3849041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849042 3849043

Parameter	Units	50398888002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.9	100	97	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839266
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3840405 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/23/25 12:55	
Cadmium	ug/L	ND	2.0	0.46	04/23/25 12:55	
Calcium	ug/L	ND	1000	83.9	04/23/25 12:55	
Chromium	ug/L	ND	10.0	0.96	04/23/25 12:55	
Iron	ug/L	ND	100	41.0	04/23/25 12:55	
Lead	ug/L	ND	10.0	2.0	04/23/25 12:55	
Lithium	ug/L	ND	20.0	3.8	04/23/25 12:55	
Magnesium	ug/L	ND	1000	53.7	04/23/25 12:55	
Manganese	ug/L	ND	10.0	0.77	04/23/25 12:55	
Molybdenum	ug/L	ND	10.0	1.4	04/23/25 12:55	
Potassium	ug/L	ND	1000	113	04/23/25 12:55	
Sodium	ug/L	ND	1000	95.0	04/23/25 12:55	

LABORATORY CONTROL SAMPLE: 3840406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	903	90	80-120	
Cadmium	ug/L	1000	924	92	80-120	
Calcium	ug/L	10000	9530	95	80-120	
Chromium	ug/L	1000	970	97	80-120	
Iron	ug/L	10000	9250	93	80-120	
Lead	ug/L	1000	904	90	80-120	
Lithium	ug/L	1000	905	91	80-120	
Magnesium	ug/L	10000	9070	91	80-120	
Manganese	ug/L	1000	879	88	80-120	
Molybdenum	ug/L	1000	980	98	80-120	
Potassium	ug/L	10000	9280	93	80-120	
Sodium	ug/L	10000	9340	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840407 3840408

Parameter	Units	50397046036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	83.8J	1000	1000	1000	1020	92	94	75-125	2	20	
Cadmium	ug/L	<0.46	1000	1000	927	943	93	94	75-125	2	20	
Calcium	ug/L	84800	10000	10000	93400	94900	86	100	75-125	2	20	
Chromium	ug/L	1.1J	1000	1000	956	977	95	98	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840407 3840408

Parameter	Units	50397046036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	<41.0	10000	10000	9150	9270	91	93	75-125	1	20	
Lead	ug/L	<2.0	1000	1000	888	903	89	90	75-125	2	20	
Lithium	ug/L	4.2J	1000	1000	922	924	92	92	75-125	0	20	
Magnesium	ug/L	26600	10000	10000	35400	35900	89	93	75-125	1	20	
Manganese	ug/L	284	1000	1000	1150	1170	87	88	75-125	1	20	
Molybdenum	ug/L	21.5	1000	1000	1010	1030	99	101	75-125	2	20	
Potassium	ug/L	1650	10000	10000	11100	11100	95	95	75-125	0	20	
Sodium	ug/L	8100	10000	10000	17500	17700	94	96	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839396
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3841051 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/24/25 23:41	

LABORATORY CONTROL SAMPLE: 3841052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	990	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3841053 3841054

Parameter	Units	50398810001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	35.7	1000	1000	1040	1060	100	102	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839528
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3842017 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/20/25 04:08	
Arsenic	ug/L	ND	1.0	0.080	04/20/25 04:08	
Barium	ug/L	ND	1.0	0.11	04/20/25 04:08	
Beryllium	ug/L	ND	0.20	0.026	04/20/25 04:08	
Cobalt	ug/L	ND	1.0	0.045	04/20/25 04:08	
Selenium	ug/L	ND	1.0	0.26	04/20/25 04:08	
Thallium	ug/L	ND	1.0	0.052	04/20/25 04:08	

LABORATORY CONTROL SAMPLE: 3842018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	39.8	99	80-120	
Arsenic	ug/L	40	38.9	97	80-120	
Barium	ug/L	40	38.4	96	80-120	
Beryllium	ug/L	40	37.6	94	80-120	
Cobalt	ug/L	40	40.2	101	80-120	
Selenium	ug/L	40	38.5	96	80-120	
Thallium	ug/L	40	40.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3842035 3842036

Parameter	Units	50399023003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	41.7	42.4	104	106	75-125	2	20	
Arsenic	ug/L	ND	40	40	38.8	38.0	97	95	75-125	2	20	
Barium	ug/L	0.026 mg/L	40	40	64.8	66.5	96	100	75-125	3	20	
Beryllium	ug/L	ND	40	40	38.5	38.4	96	96	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.6	39.3	94	96	75-125	2	20	
Selenium	ug/L	ND	40	40	39.1	38.3	98	96	75-125	2	20	
Thallium	ug/L	ND	40	40	41.6	42.6	104	106	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 840703
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3848095 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/28/25 11:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/28/25 11:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/28/25 11:40	

LABORATORY CONTROL SAMPLE: 3848096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	90-110	

SAMPLE DUPLICATE: 3848097

Parameter	Units	50398811001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	206	208	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	206	208	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3848098

Parameter	Units	50398954001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	286	283	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	286	283	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839329
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3840762 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/17/25 11:28	

LABORATORY CONTROL SAMPLE: 3840763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 3841588

Parameter	Units	50398810001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	313	314	0	10	

SAMPLE DUPLICATE: 3841589

Parameter	Units	50398810002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	636	633	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839713
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

SAMPLE DUPLICATE: 3843200

Parameter	Units	50398762001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.2	0	2	H3

SAMPLE DUPLICATE: 3843201

Parameter	Units	50398933006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.9	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839345
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3840820 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/17/25 14:03	

LABORATORY CONTROL SAMPLE: 3840821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840822 3840823

Parameter	Units	50398803006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	1.5	1	1	2.5	2.5	99	100	90-110	1	20	

MATRIX SPIKE SAMPLE: 3840824

Parameter	Units	50398810002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.14	1	1.1	96	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 839367
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811001

METHOD BLANK: 3840920 Matrix: Water
Associated Lab Samples: 50398811001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/18/25 17:06	

LABORATORY CONTROL SAMPLE: 3840921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3840922 3840923

Parameter	Units	50398826005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.8	10	10	12.7	12.8	99	100	80-120	0	15	

MATRIX SPIKE SAMPLE: 3840924

Parameter	Units	50398826006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.1	10	12.0	99	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 840409
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398811002

METHOD BLANK: 3845732 Matrix: Water
Associated Lab Samples: 50398811002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/25/25 02:32	

LABORATORY CONTROL SAMPLE: 3845733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845734 3845735

Parameter	Units	50398938001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.4	10	10	11.2	11.2	88	89	80-120	1	15	

MATRIX SPIKE SAMPLE: 3845736

Parameter	Units	50398938002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.5	10	10.7	92	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Sample: MW-18D **Lab ID: 50398811001** Collected: 04/16/25 11:00 Received: 04/16/25 17:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.334 ± 0.380 (0.599) C:NA T:92%**	pCi/L	05/06/25 14:50	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.21 ± 0.589 (1.06) C:85% T:76%**	pCi/L	05/09/25 11:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.54 ± 0.969 (1.66)**	pCi/L	05/09/25 15:32	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Sample: DUP 7 **Lab ID: 50398811002** Collected: 04/16/25 08:00 Received: 04/16/25 17:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-1.15 ± 0.708 (1.60) C:NA T:93%**	pCi/L	05/06/25 14:50	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**2.47 ± 0.758 (1.00) C:85% T:73%**	pCi/L	05/09/25 11:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.47 ± 1.47 (2.60)**	pCi/L	05/09/25 15:32	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 741084
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3606511
Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.933 ± 0.477 (0.839) C:71% T:87%	pCi/L	05/06/25 10:59	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

QC Batch: 741082
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398811001, 50398811002

METHOD BLANK: 3606509 Matrix: Water
Associated Lab Samples: 50398811001, 50398811002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.226 ± 0.366 (0.637) C:NA T:94%	pCi/L	05/06/25 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50398811

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398811001	**MW-18D**	EPA 9056	839543		
50398811002	**DUP 7**	EPA 9056	839543		
50398811001	**MW-18D**	EPA 3010	839266	EPA 6010	840129
50398811002	**DUP 7**	EPA 3010	839266	EPA 6010	840129
50398811001	**MW-18D**	EPA 3010	839396	EPA 6010	840442
50398811002	**DUP 7**	EPA 3010	839396	EPA 6010	840442
50398811001	**MW-18D**	EPA 200.2	839528	EPA 6020	839687
50398811002	**DUP 7**	EPA 200.2	839528	EPA 6020	839687
50398811001	**MW-18D**	EPA 7470	840975	EPA 7470	841314
50398811002	**DUP 7**	EPA 7470	840975	EPA 7470	841314
50398811001	**MW-18D**	EPA 903.1	741082		
50398811002	**DUP 7**	EPA 903.1	741082		
50398811001	**MW-18D**	EPA 904.0	741084		
50398811002	**DUP 7**	EPA 904.0	741084		
50398811001	**MW-18D**	Total Radium Calculation	744770		
50398811002	**DUP 7**	Total Radium Calculation	744770		
50398811001	**MW-18D**	SM 2320B	840703		
50398811002	**DUP 7**	SM 2320B	840703		
50398811001	**MW-18D**	SM 2540C	839329		
50398811002	**DUP 7**	SM 2540C	839329		
50398811001	**MW-18D**	SM 4500-H+B	839713		
50398811002	**DUP 7**	SM 4500-H+B	839713		
50398811001	**MW-18D**	EPA 353.2	839345		
50398811002	**DUP 7**	EPA 353.2	839345		
50398811001	**MW-18D**	SM 5310C	839367		
50398811002	**DUP 7**	SM 5310C	840409		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50398811

50398811

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[X] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW-18D	GW	G			4-16-25	1100	9			X	X	X	X	X	X	X	X	X	
DUP-7	↓	↓			↓	—	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**
AcctNum / Client ID:
Table #:
Profile / Template: **10498/69**
Prelog / Bottle Ord. ID: **EZ 3239339**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name)
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	C	-.1	1.3	1.2	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		Pace	4/16/25 17:25
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/16/25 17:25 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I	**3. Packing Material:** Bubble Wrap (Bubble Bags) None Other _____
2. Cooler Temperature(s): (Initial/Corrected) 1.3/1.2	**4. Ice Type:** (Wet) Blue None
RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)	
3. Was the PM notified of out of temp cooler?: Yes No	**5. Courier:** Fed Ex UPS (Client) Pace Now/Jett Other
Cooler temp should be above freezing to 6°C	**6. Custody Seal on Cooler/Box Present:** Yes (No)
If the PM was contacted in the comments below please write how they instructed the project to proceed	**(If yes)Seals Intact:** Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** (HNO3 (<2)) (H2SO4 (<2)) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	—		
Short Hold Time Analysis (48 hours or less)? **Analysis:** NO2/NO3	—					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A
Rush TAT Requested (4 days or less):		—	Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Custody Signatures Present?		—	Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Containers Intact?:	—		Trip Blank Present?		—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID		—	Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS: Sample label for DUP-7 AG3S is torn/water damaged JG 4/16/25

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit				HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1		2	1	1									✓	✓		
2												↓				↓	↓	↓	↓	↓	↓									↓	↓		
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Dear Mr. Breting:

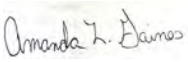
Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50398938001	**MW-12S**	Water	04/17/25 12:49	04/17/25 16:00
50398938002	**MW-12I**	Water	04/17/25 12:00	04/17/25 16:00
50398938003	**MW-12D**	Water	04/17/25 11:40	04/17/25 16:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50398938001	**MW-12S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398938002	**MW-12I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50398938003	**MW-12D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398938001	**MW-12S**					
EPA 9056	Chloride	40.8	mg/L	2.5	04/22/25 23:10	
EPA 9056	Fluoride	0.24	mg/L	0.10	04/22/25 22:53	
EPA 9056	Sulfate	94.3	mg/L	2.5	04/22/25 23:10	
EPA 6010	Boron	3090	ug/L	100	04/29/25 10:36	
EPA 6010	Calcium	123000	ug/L	1000	04/29/25 10:36	
EPA 6010	Iron	122	ug/L	100	04/29/25 10:36	
EPA 6010	Lithium	95.5	ug/L	20.0	04/29/25 10:36	
EPA 6010	Magnesium	28300	ug/L	1000	04/29/25 10:36	
EPA 6010	Manganese	23.4	ug/L	10.0	04/29/25 10:36	
EPA 6010	Molybdenum	43.4	ug/L	10.0	04/29/25 10:36	
EPA 6010	Potassium	9440	ug/L	1000	04/29/25 10:36	
EPA 6010	Sodium	54100	ug/L	1000	04/29/25 10:36	
EPA 6010	Molybdenum, Dissolved	40.9	ug/L	10.0	04/24/25 15:58	
EPA 6020	Antimony	1.3	ug/L	1.0	04/21/25 17:16	
EPA 6020	Arsenic	1.6	ug/L	1.0	04/21/25 17:16	
EPA 6020	Barium	114	ug/L	1.0	04/21/25 17:16	
EPA 6020	Selenium	9.2	ug/L	1.0	04/21/25 17:16	
EPA 903.1	Radium-226	0.000 ± 0.439 (0.865) C:NA T:92%	pCi/L		05/12/25 13:58	
EPA 904.0	Radium-228	0.222 ± 0.331 (0.713) C:78% T:84%	pCi/L		05/12/25 16:08	
Total Radium Calculation	Total Radium	0.222 ± 0.770 (1.58)	pCi/L		05/13/25 15:52	
SM 2320B	Alkalinity, Total as CaCO3	412	mg/L	10.0	04/28/25 13:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	412	mg/L	10.0	04/28/25 13:09	
SM 2540C	Total Dissolved Solids	585	mg/L	10.0	04/22/25 11:42	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/22/25 09:58	H3
EPA 353.2	Nitrogen, Nitrate	3.7	mg/L	0.10	04/18/25 15:01	
SM 5310C	Dissolved Organic Carbon	2.4	mg/L	1.0	04/25/25 04:22	
50398938002	**MW-12I**					
EPA 9056	Chloride	109	mg/L	2.5	04/23/25 00:33	
EPA 9056	Fluoride	0.26	mg/L	0.10	04/23/25 00:16	
EPA 9056	Sulfate	136	mg/L	2.5	04/23/25 00:33	
EPA 6010	Boron	984	ug/L	100	04/29/25 10:39	
EPA 6010	Calcium	113000	ug/L	1000	04/29/25 10:39	
EPA 6010	Iron	186	ug/L	100	04/29/25 10:39	
EPA 6010	Lithium	116	ug/L	20.0	04/29/25 10:39	
EPA 6010	Magnesium	27900	ug/L	1000	04/29/25 10:39	
EPA 6010	Manganese	257	ug/L	10.0	04/29/25 10:39	
EPA 6010	Molybdenum	160	ug/L	10.0	04/29/25 10:39	
EPA 6010	Potassium	10100	ug/L	1000	04/29/25 10:39	
EPA 6010	Sodium	76700	ug/L	1000	04/29/25 10:39	
EPA 6010	Molybdenum, Dissolved	149	ug/L	10.0	04/24/25 16:00	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398938002	**MW-12I**					
EPA 6020	Barium	65.6	ug/L	1.0	04/21/25 17:20	
EPA 903.1	Radium-226	0.0956 ± 0.546 (1.02) C:NA T:93%	pCi/L		05/12/25 13:58	
EPA 904.0	Radium-228	0.708 ± 0.376 (0.664) C:82% T:88%	pCi/L		05/12/25 16:08	
Total Radium Calculation	Total Radium	0.804 ± 0.922 (1.68)	pCi/L		05/13/25 15:52	
SM 2320B	Alkalinity, Total as CaCO3	311	mg/L	10.0	04/28/25 13:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	311	mg/L	10.0	04/28/25 13:09	
SM 2540C	Total Dissolved Solids	634	mg/L	10.0	04/22/25 11:42	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/22/25 10:02	H3
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	04/25/25 05:20	
50398938003	**MW-12D**					
EPA 9056	Chloride	101	mg/L	2.5	04/23/25 02:13	
EPA 9056	Fluoride	0.23	mg/L	0.10	04/23/25 01:56	
EPA 9056	Sulfate	90.8	mg/L	2.5	04/23/25 02:13	
EPA 6010	Boron	919	ug/L	100	04/29/25 10:41	
EPA 6010	Calcium	87900	ug/L	1000	04/29/25 10:41	
EPA 6010	Iron	439	ug/L	100	04/29/25 10:41	
EPA 6010	Lithium	83.1	ug/L	20.0	04/29/25 10:41	
EPA 6010	Magnesium	17200	ug/L	1000	04/29/25 10:41	
EPA 6010	Manganese	316	ug/L	10.0	04/29/25 10:41	
EPA 6010	Molybdenum	170	ug/L	10.0	04/29/25 10:41	
EPA 6010	Potassium	6080	ug/L	1000	04/29/25 10:41	
EPA 6010	Sodium	69900	ug/L	1000	04/29/25 10:41	
EPA 6010	Molybdenum, Dissolved	159	ug/L	10.0	04/24/25 16:02	
EPA 6020	Arsenic	3.0	ug/L	1.0	04/21/25 17:24	
EPA 6020	Barium	64.0	ug/L	1.0	04/21/25 17:24	
EPA 903.1	Radium-226	0.182 ± 0.490 (0.887) C:NA T:90%	pCi/L		05/12/25 13:58	
EPA 904.0	Radium-228	0.0721 ± 0.319 (0.728) C:81% T:81%	pCi/L		05/12/25 16:04	
Total Radium Calculation	Total Radium	0.254 ± 0.809 (1.62)	pCi/L		05/13/25 15:52	
SM 2320B	Alkalinity, Total as CaCO3	233	mg/L	10.0	04/28/25 13:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	233	mg/L	10.0	04/28/25 13:09	
SM 2540C	Total Dissolved Solids	498	mg/L	10.0	04/22/25 11:43	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	04/22/25 10:03	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50398938003	**MW-12D**					
EPA 353.2	Nitrogen, Nitrate	0.13	mg/L	0.10	04/18/25 14:52	
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	04/25/25 05:42	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12S **Lab ID: 50398938001** Collected: 04/17/25 12:49 Received: 04/17/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**40.8**	mg/L	2.5	1.3	10		04/22/25 23:10	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	0.016	1		04/22/25 22:53	16984-48-8	
Sulfate	**94.3**	mg/L	2.5	1.9	10		04/22/25 23:10	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3090**	ug/L	100	5.6	1	04/22/25 15:49	04/29/25 10:36	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/22/25 15:49	04/29/25 10:36	7440-43-9	
Calcium	**123000**	ug/L	1000	83.9	1	04/22/25 15:49	04/29/25 10:36	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/22/25 15:49	04/29/25 10:36	7440-47-3	
Iron	**122**	ug/L	100	41.0	1	04/22/25 15:49	04/29/25 10:36	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/22/25 15:49	04/29/25 10:36	7439-92-1	
Lithium	**95.5**	ug/L	20.0	3.8	1	04/22/25 15:49	04/29/25 10:36	7439-93-2	
Magnesium	**28300**	ug/L	1000	53.7	1	04/22/25 15:49	04/29/25 10:36	7439-95-4	
Manganese	**23.4**	ug/L	10.0	0.77	1	04/22/25 15:49	04/29/25 10:36	7439-96-5	
Molybdenum	**43.4**	ug/L	10.0	1.4	1	04/22/25 15:49	04/29/25 10:36	7439-98-7	
Potassium	**9440**	ug/L	1000	113	1	04/22/25 15:49	04/29/25 10:36	7440-09-7	
Sodium	**54100**	ug/L	1000	95.0	1	04/22/25 15:49	04/29/25 10:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**40.9**	ug/L	10.0	1.4	1	04/23/25 15:59	04/24/25 15:58	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**1.3**	ug/L	1.0	0.19	1	04/20/25 15:36	04/21/25 17:16	7440-36-0	
Arsenic	**1.6**	ug/L	1.0	0.080	1	04/20/25 15:36	04/21/25 17:16	7440-38-2	
Barium	**114**	ug/L	1.0	0.11	1	04/20/25 15:36	04/21/25 17:16	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/20/25 15:36	04/21/25 17:16	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/20/25 15:36	04/21/25 17:16	7440-48-4	
Selenium	**9.2**	ug/L	1.0	0.26	1	04/20/25 15:36	04/21/25 17:16	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/20/25 15:36	04/21/25 17:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 10:37	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**412**	mg/L	10.0	10.0	1		04/28/25 13:09		
Alkalinity,Bicarbonate (CaCO3)	**412**	mg/L	10.0	10.0	1		04/28/25 13:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/28/25 13:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12S **Lab ID: 50398938001** Collected: 04/17/25 12:49 Received: 04/17/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**585**	mg/L	10.0	10.0	1		04/22/25 11:42		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/22/25 09:58		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.7**	mg/L	0.10	0.013	1		04/18/25 15:01	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.4**	mg/L	1.0	0.30	1		04/25/25 04:22		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12I **Lab ID: 50398938002** Collected: 04/17/25 12:00 Received: 04/17/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**109**	mg/L	2.5	1.3	10		04/23/25 00:33	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.016	1		04/23/25 00:16	16984-48-8	
Sulfate	**136**	mg/L	2.5	1.9	10		04/23/25 00:33	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**984**	ug/L	100	5.6	1	04/22/25 15:49	04/29/25 10:39	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/22/25 15:49	04/29/25 10:39	7440-43-9	
Calcium	**113000**	ug/L	1000	83.9	1	04/22/25 15:49	04/29/25 10:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/22/25 15:49	04/29/25 10:39	7440-47-3	
Iron	**186**	ug/L	100	41.0	1	04/22/25 15:49	04/29/25 10:39	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/22/25 15:49	04/29/25 10:39	7439-92-1	
Lithium	**116**	ug/L	20.0	3.8	1	04/22/25 15:49	04/29/25 10:39	7439-93-2	
Magnesium	**27900**	ug/L	1000	53.7	1	04/22/25 15:49	04/29/25 10:39	7439-95-4	
Manganese	**257**	ug/L	10.0	0.77	1	04/22/25 15:49	04/29/25 10:39	7439-96-5	
Molybdenum	**160**	ug/L	10.0	1.4	1	04/22/25 15:49	04/29/25 10:39	7439-98-7	
Potassium	**10100**	ug/L	1000	113	1	04/22/25 15:49	04/29/25 10:39	7440-09-7	
Sodium	**76700**	ug/L	1000	95.0	1	04/22/25 15:49	04/29/25 10:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**149**	ug/L	10.0	1.4	1	04/23/25 15:59	04/24/25 16:00	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/20/25 15:36	04/21/25 17:20	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/20/25 15:36	04/21/25 17:20	7440-38-2	
Barium	**65.6**	ug/L	1.0	0.11	1	04/20/25 15:36	04/21/25 17:20	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/20/25 15:36	04/21/25 17:20	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/20/25 15:36	04/21/25 17:20	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/20/25 15:36	04/21/25 17:20	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/20/25 15:36	04/21/25 17:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 10:39	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**311**	mg/L	10.0	10.0	1		04/28/25 13:09		
Alkalinity,Bicarbonate (CaCO3)	**311**	mg/L	10.0	10.0	1		04/28/25 13:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/28/25 13:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12I **Lab ID: 50398938002** Collected: 04/17/25 12:00 Received: 04/17/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**634**	mg/L	10.0	10.0	1		04/22/25 11:42		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/22/25 10:02		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/18/25 14:54	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.30	1		04/25/25 05:20		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12D **Lab ID: 50398938003** Collected: 04/17/25 11:40 Received: 04/17/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**101**	mg/L	2.5	1.3	10		04/23/25 02:13	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.016	1		04/23/25 01:56	16984-48-8	
Sulfate	**90.8**	mg/L	2.5	1.9	10		04/23/25 02:13	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**919**	ug/L	100	5.6	1	04/22/25 15:49	04/29/25 10:41	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/22/25 15:49	04/29/25 10:41	7440-43-9	
Calcium	**87900**	ug/L	1000	83.9	1	04/22/25 15:49	04/29/25 10:41	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/22/25 15:49	04/29/25 10:41	7440-47-3	
Iron	**439**	ug/L	100	41.0	1	04/22/25 15:49	04/29/25 10:41	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/22/25 15:49	04/29/25 10:41	7439-92-1	
Lithium	**83.1**	ug/L	20.0	3.8	1	04/22/25 15:49	04/29/25 10:41	7439-93-2	
Magnesium	**17200**	ug/L	1000	53.7	1	04/22/25 15:49	04/29/25 10:41	7439-95-4	
Manganese	**316**	ug/L	10.0	0.77	1	04/22/25 15:49	04/29/25 10:41	7439-96-5	
Molybdenum	**170**	ug/L	10.0	1.4	1	04/22/25 15:49	04/29/25 10:41	7439-98-7	
Potassium	**6080**	ug/L	1000	113	1	04/22/25 15:49	04/29/25 10:41	7440-09-7	
Sodium	**69900**	ug/L	1000	95.0	1	04/22/25 15:49	04/29/25 10:41	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**159**	ug/L	10.0	1.4	1	04/23/25 15:59	04/24/25 16:02	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/20/25 15:36	04/21/25 17:24	7440-36-0	
Arsenic	**3.0**	ug/L	1.0	0.080	1	04/20/25 15:36	04/21/25 17:24	7440-38-2	
Barium	**64.0**	ug/L	1.0	0.11	1	04/20/25 15:36	04/21/25 17:24	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/20/25 15:36	04/21/25 17:24	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/20/25 15:36	04/21/25 17:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/20/25 15:36	04/21/25 17:24	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/20/25 15:36	04/21/25 17:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	04/30/25 19:55	05/01/25 10:42	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**233**	mg/L	10.0	10.0	1		04/28/25 13:09		
Alkalinity,Bicarbonate (CaCO3)	**233**	mg/L	10.0	10.0	1		04/28/25 13:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/28/25 13:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12D **Lab ID: 50398938003** Collected: 04/17/25 11:40 Received: 04/17/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**498**	mg/L	10.0	10.0	1		04/22/25 11:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		04/22/25 10:03		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.13**	mg/L	0.10	0.013	1		04/18/25 14:52	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.30	1		04/25/25 05:42		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 839869
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3843738 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/22/25 08:52	
Fluoride	mg/L	ND	0.10	0.016	04/22/25 08:52	
Sulfate	mg/L	ND	0.25	0.19	04/22/25 08:52	

LABORATORY CONTROL SAMPLE: 3843739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	94	80-120	
Fluoride	mg/L	1	0.94	94	80-120	
Sulfate	mg/L	5	4.7	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3843750 3843751

Parameter	Units	50398938002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	109	25	25	132	132	91	90	80-120	0	15	
Fluoride	mg/L	0.26	1	1	1.2	1.2	91	93	80-120	2	15	
Sulfate	mg/L	136	50	50	179	179	87	87	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 841206
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3850109 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/01/25 09:38	

LABORATORY CONTROL SAMPLE: 3850110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3850111 3850112

Parameter	Units	50398925003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.0020 mg/L	5	5	5.0	5.0	101	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 839436
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3841455 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/29/25 09:38	
Cadmium	ug/L	ND	2.0	0.46	04/29/25 09:38	
Calcium	ug/L	ND	1000	83.9	04/29/25 09:38	
Chromium	ug/L	ND	10.0	0.96	04/29/25 09:38	
Iron	ug/L	ND	100	41.0	04/29/25 09:38	
Lead	ug/L	ND	10.0	2.0	04/29/25 09:38	
Lithium	ug/L	ND	20.0	3.8	04/29/25 09:38	
Magnesium	ug/L	ND	1000	53.7	04/29/25 09:38	
Manganese	ug/L	ND	10.0	0.77	04/29/25 09:38	
Molybdenum	ug/L	ND	10.0	1.4	04/29/25 09:38	
Potassium	ug/L	ND	1000	113	04/29/25 09:38	
Sodium	ug/L	ND	1000	95.0	04/29/25 09:38	

LABORATORY CONTROL SAMPLE: 3841456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	986	99	80-120	
Cadmium	ug/L	1000	975	98	80-120	
Calcium	ug/L	10000	10500	105	80-120	
Chromium	ug/L	1000	999	100	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	946	95	80-120	
Lithium	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	9990	100	80-120	
Manganese	ug/L	1000	965	96	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Sodium	ug/L	10000	9920	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3841457 3841458

Parameter	Units	50398949001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	78.5J	1000	1000	1090	1080	102	100	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	977	985	98	99	75-125	1	20	
Calcium	ug/L	246000	10000	10000	260000	261000	141	148	75-125	0	20	E,P6
Chromium	ug/L	ND	1000	1000	993	984	99	98	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3841457 3841458

Parameter	Units	50398949001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	49.2J	10000	10000	9820	9720	98	97	75-125	1	20	
Lead	ug/L	ND	1000	1000	906	907	90	91	75-125	0	20	
Lithium	ug/L	28.3	1000	1000	1020	1020	99	99	75-125	0	20	
Magnesium	ug/L	116000	10000	10000	129000	129000	122	122	75-125	0	20	
Manganese	ug/L	10.8	1000	1000	951	942	94	93	75-125	1	20	
Molybdenum	ug/L	1.6J	1000	1000	1040	1050	104	104	75-125	1	20	
Potassium	ug/L	15400	10000	10000	25500	25900	102	105	75-125	1	20	
Sodium	ug/L	21000	10000	10000	30900	31300	99	103	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 839448
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3841550 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/24/25 15:32	

LABORATORY CONTROL SAMPLE: 3841551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	942	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3841552 3841553

Parameter	Units	50398969001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	<10.0	1000	1000	959	962	96	96	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 839674
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3842988 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/21/25 16:56	
Arsenic	ug/L	ND	1.0	0.080	04/21/25 16:56	
Barium	ug/L	ND	1.0	0.11	04/21/25 16:56	
Beryllium	ug/L	ND	0.20	0.026	04/21/25 16:56	
Cobalt	ug/L	ND	1.0	0.045	04/21/25 16:56	
Selenium	ug/L	ND	1.0	0.26	04/21/25 16:56	
Thallium	ug/L	ND	1.0	0.052	04/21/25 16:56	

LABORATORY CONTROL SAMPLE: 3842989

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.7	102	80-120	
Arsenic	ug/L	40	38.3	96	80-120	
Barium	ug/L	40	38.8	97	80-120	
Beryllium	ug/L	40	39.3	98	80-120	
Cobalt	ug/L	40	40.6	102	80-120	
Selenium	ug/L	40	39.0	97	80-120	
Thallium	ug/L	40	40.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3842990 3842991

Parameter	Units	50399023004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.2	42.5	105	106	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.8	38.7	96	96	75-125	0	20	
Barium	ug/L	0.061 mg/L	40	40	101	102	100	103	75-125	1	20	
Beryllium	ug/L	ND	40	40	43.5	44.0	109	110	75-125	1	20	
Cobalt	ug/L	ND	40	40	37.9	38.1	94	94	75-125	1	20	
Selenium	ug/L	ND	40	40	34.3	33.3	85	83	75-125	3	20	
Thallium	ug/L	ND	40	40	41.2	42.1	103	105	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 840704
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3848099 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/28/25 13:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/28/25 13:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/28/25 13:09	

LABORATORY CONTROL SAMPLE: 3848100

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.0	106	90-110	

SAMPLE DUPLICATE: 3848102

Parameter	Units	50398930001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	172	173	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	152	155	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	19.2	18.4	4	20	

SAMPLE DUPLICATE: 3848114

Parameter	Units	50399245002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	333	335	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	333	335	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 839858 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3843707 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/22/25 11:41	

LABORATORY CONTROL SAMPLE: 3843708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	274	91	80-120	

SAMPLE DUPLICATE: 3843709

Parameter	Units	50399175010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	517	507	2	10	

SAMPLE DUPLICATE: 3843710

Parameter	Units	50398969001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	541000 ug/L	537	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 839863
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

SAMPLE DUPLICATE: 3843718

Parameter	Units	50398832001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	8.1	3	2	H3,R1

SAMPLE DUPLICATE: 3843719

Parameter	Units	50399018001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.2	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 839567
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3842221 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/18/25 14:33	

LABORATORY CONTROL SAMPLE: 3842222

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3842223 3842224

Parameter	Units	50398937001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	5.3	2	2	7.2	7.1	93	92	90-110	0	20	

MATRIX SPIKE SAMPLE: 3842225

Parameter	Units	50399023004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	104	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 840409
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3845732 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/25/25 02:32	

LABORATORY CONTROL SAMPLE: 3845733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845734 3845735

Parameter	Units	50398938001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.4	10	10	11.2	11.2	88	89	80-120	1	15	

MATRIX SPIKE SAMPLE: 3845736

Parameter	Units	50398938002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.5	10	10.7	92	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12S **Lab ID: 50398938001** Collected: 04/17/25 12:49 Received: 04/17/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.439 (0.865) C:NA T:92%**	pCi/L	05/12/25 13:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.222 ± 0.331 (0.713) C:78% T:84%**	pCi/L	05/12/25 16:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.222 ± 0.770 (1.58)**	pCi/L	05/13/25 15:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12I **Lab ID: 50398938002** Collected: 04/17/25 12:00 Received: 04/17/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0956 ± 0.546 (1.02) C:NA T:93%**	pCi/L	05/12/25 13:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.708 ± 0.376 (0.664) C:82% T:88%**	pCi/L	05/12/25 16:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.804 ± 0.922 (1.68)**	pCi/L	05/13/25 15:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Sample: MW-12D **Lab ID: 50398938003** Collected: 04/17/25 11:40 Received: 04/17/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.182 ± 0.490 (0.887) C:NA T:90%**	pCi/L	05/12/25 13:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.0721 ± 0.319 (0.728) C:81% T:81%**	pCi/L	05/12/25 16:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.254 ± 0.809 (1.62)**	pCi/L	05/13/25 15:52	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 741443
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3608170 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0353 ± 0.161 (0.260) C:NA T:103%	pCi/L	05/12/25 13:33	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

QC Batch: 741444
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50398938001, 50398938002, 50398938003

METHOD BLANK: 3608171 Matrix: Water
Associated Lab Samples: 50398938001, 50398938002, 50398938003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.420 ± 0.360 (0.723) C:77% T:91%	pCi/L	05/12/25 16:06	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50398938

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50398938001	**MW-12S**	EPA 9056	839869		
50398938002	**MW-12I**	EPA 9056	839869		
50398938003	**MW-12D**	EPA 9056	839869		
50398938001	**MW-12S**	EPA 3010	839436	EPA 6010	840907
50398938002	**MW-12I**	EPA 3010	839436	EPA 6010	840907
50398938003	**MW-12D**	EPA 3010	839436	EPA 6010	840907
50398938001	**MW-12S**	EPA 3010	839448	EPA 6010	840380
50398938002	**MW-12I**	EPA 3010	839448	EPA 6010	840380
50398938003	**MW-12D**	EPA 3010	839448	EPA 6010	840380
50398938001	**MW-12S**	EPA 200.2	839674	EPA 6020	839710
50398938002	**MW-12I**	EPA 200.2	839674	EPA 6020	839710
50398938003	**MW-12D**	EPA 200.2	839674	EPA 6020	839710
50398938001	**MW-12S**	EPA 7470	841206	EPA 7470	841317
50398938002	**MW-12I**	EPA 7470	841206	EPA 7470	841317
50398938003	**MW-12D**	EPA 7470	841206	EPA 7470	841317
50398938001	**MW-12S**	EPA 903.1	741443		
50398938002	**MW-12I**	EPA 903.1	741443		
50398938003	**MW-12D**	EPA 903.1	741443		
50398938001	**MW-12S**	EPA 904.0	741444		
50398938002	**MW-12I**	EPA 904.0	741444		
50398938003	**MW-12D**	EPA 904.0	741444		
50398938001	**MW-12S**	Total Radium Calculation	745347		
50398938002	**MW-12I**	Total Radium Calculation	745347		
50398938003	**MW-12D**	Total Radium Calculation	745347		
50398938001	**MW-12S**	SM 2320B	840704		
50398938002	**MW-12I**	SM 2320B	840704		
50398938003	**MW-12D**	SM 2320B	840704		
50398938001	**MW-12S**	SM 2540C	839858		
50398938002	**MW-12I**	SM 2540C	839858		
50398938003	**MW-12D**	SM 2540C	839858		
50398938001	**MW-12S**	SM 4500-H+B	839863		
50398938002	**MW-12I**	SM 4500-H+B	839863		
50398938003	**MW-12D**	SM 4500-H+B	839863		
50398938001	**MW-12S**	EPA 353.2	839567		
50398938002	**MW-12I**	EPA 353.2	839567		
50398938003	**MW-12D**	EPA 353.2	839567		
50398938001	**MW-12S**	SM 5310C	840409		
50398938002	**MW-12I**	SM 5310C	840409		
50398938003	**MW-12D**	SM 5310C	840409		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50398938

50398938

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW-125	GW	G			4-17-25	1249	9			X	X	X	X	X	X	X	X	X	001
MW-12D	↓	↓			↓	1200	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	002
MW-12D	↓	↓			↓	1140	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	003

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3238786

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By: (Printed Name) Mykah Bottom

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	A	0.0	3.2	3.2	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	4/17/25 1605	PACE	4/17/25 1610
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/17/25 19 16:51 JG

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 (A) B C D E F G H I

2. **Cooler Temperature(s):** (Initial/Corrected) 3.2/3.2 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Was the PM notified of out of temp cooler?:** (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. **Packing Material:** Bubble Wrap (Bubble Bags) None Other _____

4. **Ice Type:** (Wet) Blue None

5. **Courier:** Fed Ex UPS Client Pace Now/Jett Other

6. **Custody Seal on Cooler/Box Present:** Yes No

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—
Short Hold Time Analysis (48 hours or less)? **Analysis:** NO2/NO3	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		—
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) (H2SO4 (<2)) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Extra labels on Terracore Vials? (soils only)			

Comments:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												2				2	1	2	1	1									WT	✓	✓		
2												↓				↓	↓	↓	↓	↓									↓	↓	↓			
3												↓				↓	↓	↓	↓	↓									↓	↓	↓			
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Dear Mr. Breting:

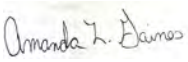
Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399127001	**MW-3D**	Water	04/18/25 12:58	04/18/25 14:50
50399127002	**MW-3I**	Water	04/18/25 13:15	04/18/25 14:50
50399127003	**MW-3S**	Water	04/18/25 10:39	04/18/25 14:50
50399127004	**MW-11D**	Water	04/18/25 10:15	04/18/25 14:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399127001	**MW-3D**	EPA 9056	GLT	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399127002	**MW-3I**	EPA 9056	GLT	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399127003	**MW-3S**	EPA 9056	GLT	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399127004	**MW-11D**	EPA 9056	GLT	3	PASI-I
		EPA 6010	GC	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399127001	**MW-3D**					
EPA 9056	Chloride	37.4	mg/L	2.5	04/25/25 13:22	
EPA 9056	Fluoride	0.22	mg/L	0.10	04/25/25 13:05	
EPA 9056	Sulfate	30.1	mg/L	0.25	04/25/25 13:05	
EPA 6010	Calcium	73100	ug/L	1000	04/28/25 00:08	
EPA 6010	Iron	1190	ug/L	100	04/28/25 00:08	
EPA 6010	Magnesium	25100	ug/L	1000	04/28/25 00:08	
EPA 6010	Manganese	180	ug/L	10.0	04/28/25 00:08	
EPA 6010	Molybdenum	11.3	ug/L	10.0	04/28/25 00:08	
EPA 6010	Potassium	3290	ug/L	1000	04/28/25 00:08	
EPA 6010	Sodium	29000	ug/L	1000	04/28/25 00:08	
EPA 6010	Molybdenum, Dissolved	11.2	ug/L	10.0	04/24/25 01:57	
EPA 6020	Arsenic	4.9	ug/L	1.0	04/23/25 12:04	
EPA 6020	Barium	94.4	ug/L	1.0	04/23/25 12:04	
EPA 903.1	Radium-226	0.689 ± 0.686 (1.10) C:NA T:92%	pCi/L		05/14/25 13:08	
EPA 904.0	Radium-228	0.355 ± 0.357 (0.732) C:76% T:90%	pCi/L		05/14/25 14:29	
Total Radium Calculation	Total Radium	1.04 ± 1.04 (1.83)	pCi/L		05/15/25 16:18	
SM 2320B	Alkalinity, Total as CaCO3	299	mg/L	10.0	04/28/25 15:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	282	mg/L	10.0	04/28/25 15:05	
SM 2320B	Alkalinity,Carbonate (CaCO3)	17.6	mg/L	10.0	04/28/25 15:05	
SM 2540C	Total Dissolved Solids	385	mg/L	10.0	04/23/25 09:46	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/22/25 10:50	H3
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	04/25/25 05:53	
50399127002	**MW-3I**					
EPA 9056	Chloride	127	mg/L	2.5	04/25/25 13:57	
EPA 9056	Fluoride	0.36	mg/L	0.10	04/25/25 13:39	
EPA 9056	Sulfate	95.9	mg/L	2.5	04/25/25 13:57	
EPA 6010	Boron	151	ug/L	100	04/28/25 00:10	
EPA 6010	Calcium	65200	ug/L	1000	04/28/25 00:10	
EPA 6010	Magnesium	20800	ug/L	1000	04/28/25 00:10	
EPA 6010	Manganese	29.5	ug/L	10.0	04/28/25 00:10	
EPA 6010	Molybdenum	44.3	ug/L	10.0	04/28/25 00:10	
EPA 6010	Potassium	4850	ug/L	1000	04/28/25 00:10	
EPA 6010	Sodium	108000	ug/L	1000	04/28/25 00:10	
EPA 6010	Molybdenum, Dissolved	47.6	ug/L	10.0	04/24/25 02:04	
EPA 6020	Barium	67.3	ug/L	1.0	04/23/25 12:08	
EPA 903.1	Radium-226	0.0526 ± 0.450 (0.877) C:NA T:93%	pCi/L		05/14/25 13:08	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399127002	**MW-3I**					
EPA 904.0	Radium-228	0.469 ± 0.431 (0.878) C:76% T:85%	pCi/L		05/14/25 14:30	
Total Radium Calculation	Total Radium	0.522 ± 0.881 (1.76)	pCi/L		05/15/25 16:18	
SM 2320B	Alkalinity, Total as CaCO3	256	mg/L	10.0	04/28/25 15:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	239	mg/L	10.0	04/28/25 15:05	
SM 2320B	Alkalinity,Carbonate (CaCO3)	16.8	mg/L	10.0	04/28/25 15:05	
SM 2540C	Total Dissolved Solids	600	mg/L	10.0	04/23/25 09:46	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/22/25 10:51	H3
EPA 353.2	Nitrogen, Nitrate	0.88	mg/L	0.10	04/19/25 14:57	
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	04/25/25 06:04	
50399127003	**MW-3S**					
EPA 9056	Chloride	51.2	mg/L	2.5	04/25/25 14:31	
EPA 9056	Fluoride	0.19	mg/L	0.10	04/25/25 14:14	
EPA 9056	Sulfate	95.3	mg/L	2.5	04/25/25 14:31	
EPA 6010	Boron	762	ug/L	100	04/28/25 00:13	
EPA 6010	Calcium	156000	ug/L	1000	04/28/25 00:13	
EPA 6010	Lithium	20.0	ug/L	20.0	04/28/25 00:13	
EPA 6010	Magnesium	28200	ug/L	1000	04/28/25 00:13	
EPA 6010	Manganese	213	ug/L	10.0	04/28/25 00:13	
EPA 6010	Molybdenum	20.8	ug/L	10.0	04/28/25 00:13	
EPA 6010	Potassium	4460	ug/L	1000	04/28/25 00:13	
EPA 6010	Sodium	46000	ug/L	1000	04/28/25 00:13	
EPA 6010	Molybdenum, Dissolved	21.2	ug/L	10.0	04/24/25 02:06	
EPA 6020	Barium	121	ug/L	1.0	04/23/25 12:12	
EPA 6020	Selenium	8.5	ug/L	1.0	04/23/25 12:12	
EPA 903.1	Radium-226	-0.293 ± 0.446 (1.02) C:NA T:91%	pCi/L		05/14/25 12:56	
EPA 904.0	Radium-228	0.190 ± 0.470 (1.05) C:78% T:83%	pCi/L		05/14/25 14:29	
Total Radium Calculation	Total Radium	0.190 ± 0.916 (2.07)	pCi/L		05/15/25 16:18	
SM 2320B	Alkalinity, Total as CaCO3	471	mg/L	10.0	04/28/25 15:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	471	mg/L	10.0	04/28/25 15:05	
SM 2540C	Total Dissolved Solids	719	mg/L	10.0	04/23/25 09:46	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	04/22/25 10:52	H3
EPA 353.2	Nitrogen, Nitrate	4.1	mg/L	0.10	04/19/25 14:53	
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	04/25/25 06:15	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399127004	**MW-11D**					
EPA 9056	Chloride	97.5	mg/L	2.5	04/25/25 15:40	
EPA 9056	Fluoride	0.27	mg/L	0.10	04/25/25 15:23	
EPA 9056	Sulfate	85.9	mg/L	2.5	04/25/25 15:40	
EPA 6010	Boron	510	ug/L	100	04/28/25 00:15	
EPA 6010	Calcium	77200	ug/L	1000	04/28/25 00:15	
EPA 6010	Iron	1280	ug/L	100	04/28/25 00:15	
EPA 6010	Lithium	77.6	ug/L	20.0	04/28/25 00:15	
EPA 6010	Magnesium	19700	ug/L	1000	04/28/25 00:15	
EPA 6010	Manganese	274	ug/L	10.0	04/28/25 00:15	
EPA 6010	Molybdenum	119	ug/L	10.0	04/28/25 00:15	
EPA 6010	Potassium	6480	ug/L	1000	04/28/25 00:15	
EPA 6010	Sodium	63400	ug/L	1000	04/28/25 00:15	
EPA 6010	Molybdenum, Dissolved	124	ug/L	10.0	04/24/25 02:08	
EPA 6020	Arsenic	4.7	ug/L	1.0	04/23/25 12:16	
EPA 6020	Barium	69.6	ug/L	1.0	04/23/25 12:16	
EPA 903.1	Radium-226	0.276 ± 0.695 (1.24) C:NA T:85%	pCi/L		05/14/25 12:56	
EPA 904.0	Radium-228	0.662 ± 0.415 (0.771) C:76% T:86%	pCi/L		05/14/25 14:29	
Total Radium Calculation	Total Radium	0.938 ± 1.11 (2.01)	pCi/L		05/15/25 16:18	
SM 2320B	Alkalinity, Total as CaCO3	227	mg/L	10.0	04/28/25 15:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	212	mg/L	10.0	04/28/25 15:05	
SM 2320B	Alkalinity,Carbonate (CaCO3)	14.8	mg/L	10.0	04/28/25 15:05	
SM 2540C	Total Dissolved Solids	501	mg/L	10.0	04/23/25 09:47	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/22/25 10:56	H3
SM 5310C	Dissolved Organic Carbon	1.6	mg/L	1.0	04/25/25 06:25	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3D **Lab ID: 50399127001** Collected: 04/18/25 12:58 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**37.4**	mg/L	2.5	1.3	10		04/25/25 13:22	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.016	1		04/25/25 13:05	16984-48-8	
Sulfate	**30.1**	mg/L	0.25	0.19	1		04/25/25 13:05	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/23/25 08:15	04/28/25 00:08	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/23/25 08:15	04/28/25 00:08	7440-43-9	
Calcium	**73100**	ug/L	1000	83.9	1	04/23/25 08:15	04/28/25 00:08	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/23/25 08:15	04/28/25 00:08	7440-47-3	
Iron	**1190**	ug/L	100	41.0	1	04/23/25 08:15	04/28/25 00:08	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/23/25 08:15	04/28/25 00:08	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/23/25 08:15	04/28/25 00:08	7439-93-2	
Magnesium	**25100**	ug/L	1000	53.7	1	04/23/25 08:15	04/28/25 00:08	7439-95-4	
Manganese	**180**	ug/L	10.0	0.77	1	04/23/25 08:15	04/28/25 00:08	7439-96-5	
Molybdenum	**11.3**	ug/L	10.0	1.4	1	04/23/25 08:15	04/28/25 00:08	7439-98-7	
Potassium	**3290**	ug/L	1000	113	1	04/23/25 08:15	04/28/25 00:08	7440-09-7	
Sodium	**29000**	ug/L	1000	95.0	1	04/23/25 08:15	04/28/25 00:08	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**11.2**	ug/L	10.0	1.4	1	04/23/25 08:07	04/24/25 01:57	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/22/25 15:13	04/23/25 12:04	7440-36-0	
Arsenic	**4.9**	ug/L	1.0	0.080	1	04/22/25 15:13	04/23/25 12:04	7440-38-2	
Barium	**94.4**	ug/L	1.0	0.11	1	04/22/25 15:13	04/23/25 12:04	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/22/25 15:13	04/23/25 12:04	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/22/25 15:13	04/23/25 12:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/22/25 15:13	04/23/25 12:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/22/25 15:13	04/23/25 12:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/01/25 09:12	05/01/25 20:01	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**299**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Bicarbonate (CaCO3)	**282**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Carbonate (CaCO3)	**17.6**	mg/L	10.0	10.0	1		04/28/25 15:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3D **Lab ID: 50399127001** Collected: 04/18/25 12:58 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**385**	mg/L	10.0	10.0	1		04/23/25 09:46		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/22/25 10:50		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/19/25 14:55	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.7**	mg/L	1.0	0.30	1		04/25/25 05:53		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3I **Lab ID: 50399127002** Collected: 04/18/25 13:15 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**127**	mg/L	2.5	1.3	10		04/25/25 13:57	16887-00-6	
Fluoride	**0.36**	mg/L	0.10	0.016	1		04/25/25 13:39	16984-48-8	
Sulfate	**95.9**	mg/L	2.5	1.9	10		04/25/25 13:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**151**	ug/L	100	5.6	1	04/23/25 08:15	04/28/25 00:10	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/23/25 08:15	04/28/25 00:10	7440-43-9	
Calcium	**65200**	ug/L	1000	83.9	1	04/23/25 08:15	04/28/25 00:10	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/23/25 08:15	04/28/25 00:10	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/23/25 08:15	04/28/25 00:10	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/23/25 08:15	04/28/25 00:10	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/23/25 08:15	04/28/25 00:10	7439-93-2	
Magnesium	**20800**	ug/L	1000	53.7	1	04/23/25 08:15	04/28/25 00:10	7439-95-4	
Manganese	**29.5**	ug/L	10.0	0.77	1	04/23/25 08:15	04/28/25 00:10	7439-96-5	
Molybdenum	**44.3**	ug/L	10.0	1.4	1	04/23/25 08:15	04/28/25 00:10	7439-98-7	
Potassium	**4850**	ug/L	1000	113	1	04/23/25 08:15	04/28/25 00:10	7440-09-7	
Sodium	**108000**	ug/L	1000	95.0	1	04/23/25 08:15	04/28/25 00:10	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**47.6**	ug/L	10.0	1.4	1	04/23/25 08:07	04/24/25 02:04	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/22/25 15:13	04/23/25 12:08	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/22/25 15:13	04/23/25 12:08	7440-38-2	
Barium	**67.3**	ug/L	1.0	0.11	1	04/22/25 15:13	04/23/25 12:08	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/22/25 15:13	04/23/25 12:08	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/22/25 15:13	04/23/25 12:08	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/22/25 15:13	04/23/25 12:08	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/22/25 15:13	04/23/25 12:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/01/25 09:12	05/01/25 20:03	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**256**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Carbonate (CaCO3)	**16.8**	mg/L	10.0	10.0	1		04/28/25 15:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3I **Lab ID: 50399127002** Collected: 04/18/25 13:15 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**600**	mg/L	10.0	10.0	1		04/23/25 09:46		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/22/25 10:51		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.88**	mg/L	0.10	0.013	1		04/19/25 14:57	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.30	1		04/25/25 06:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3S **Lab ID: 50399127003** Collected: 04/18/25 10:39 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**51.2**	mg/L	2.5	1.3	10		04/25/25 14:31	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.016	1		04/25/25 14:14	16984-48-8	
Sulfate	**95.3**	mg/L	2.5	1.9	10		04/25/25 14:31	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**762**	ug/L	100	5.6	1	04/23/25 08:15	04/28/25 00:13	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/23/25 08:15	04/28/25 00:13	7440-43-9	
Calcium	**156000**	ug/L	1000	83.9	1	04/23/25 08:15	04/28/25 00:13	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/23/25 08:15	04/28/25 00:13	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/23/25 08:15	04/28/25 00:13	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/23/25 08:15	04/28/25 00:13	7439-92-1	
Lithium	**20.0**	ug/L	20.0	3.8	1	04/23/25 08:15	04/28/25 00:13	7439-93-2	
Magnesium	**28200**	ug/L	1000	53.7	1	04/23/25 08:15	04/28/25 00:13	7439-95-4	
Manganese	**213**	ug/L	10.0	0.77	1	04/23/25 08:15	04/28/25 00:13	7439-96-5	
Molybdenum	**20.8**	ug/L	10.0	1.4	1	04/23/25 08:15	04/28/25 00:13	7439-98-7	
Potassium	**4460**	ug/L	1000	113	1	04/23/25 08:15	04/28/25 00:13	7440-09-7	
Sodium	**46000**	ug/L	1000	95.0	1	04/23/25 08:15	04/28/25 00:13	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**21.2**	ug/L	10.0	1.4	1	04/23/25 08:07	04/24/25 02:06	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/22/25 15:13	04/23/25 12:12	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/22/25 15:13	04/23/25 12:12	7440-38-2	
Barium	**121**	ug/L	1.0	0.11	1	04/22/25 15:13	04/23/25 12:12	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/22/25 15:13	04/23/25 12:12	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/22/25 15:13	04/23/25 12:12	7440-48-4	
Selenium	**8.5**	ug/L	1.0	0.26	1	04/22/25 15:13	04/23/25 12:12	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/22/25 15:13	04/23/25 12:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/01/25 09:12	05/01/25 20:06	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**471**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Bicarbonate (CaCO3)	**471**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/28/25 15:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3S **Lab ID: 50399127003** Collected: 04/18/25 10:39 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**719**	mg/L	10.0	10.0	1		04/23/25 09:46		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		04/22/25 10:52		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**4.1**	mg/L	0.10	0.013	1		04/19/25 14:53	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.30	1		04/25/25 06:15		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-11D **Lab ID: 50399127004** Collected: 04/18/25 10:15 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**97.5**	mg/L	2.5	1.3	10		04/25/25 15:40	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		04/25/25 15:23	16984-48-8	
Sulfate	**85.9**	mg/L	2.5	1.9	10		04/25/25 15:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**510**	ug/L	100	5.6	1	04/23/25 08:15	04/28/25 00:15	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/23/25 08:15	04/28/25 00:15	7440-43-9	
Calcium	**77200**	ug/L	1000	83.9	1	04/23/25 08:15	04/28/25 00:15	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/23/25 08:15	04/28/25 00:15	7440-47-3	
Iron	**1280**	ug/L	100	41.0	1	04/23/25 08:15	04/28/25 00:15	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/23/25 08:15	04/28/25 00:15	7439-92-1	
Lithium	**77.6**	ug/L	20.0	3.8	1	04/23/25 08:15	04/28/25 00:15	7439-93-2	
Magnesium	**19700**	ug/L	1000	53.7	1	04/23/25 08:15	04/28/25 00:15	7439-95-4	
Manganese	**274**	ug/L	10.0	0.77	1	04/23/25 08:15	04/28/25 00:15	7439-96-5	
Molybdenum	**119**	ug/L	10.0	1.4	1	04/23/25 08:15	04/28/25 00:15	7439-98-7	
Potassium	**6480**	ug/L	1000	113	1	04/23/25 08:15	04/28/25 00:15	7440-09-7	
Sodium	**63400**	ug/L	1000	95.0	1	04/23/25 08:15	04/28/25 00:15	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**124**	ug/L	10.0	1.4	1	04/23/25 08:07	04/24/25 02:08	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/22/25 15:13	04/23/25 12:16	7440-36-0	
Arsenic	**4.7**	ug/L	1.0	0.080	1	04/22/25 15:13	04/23/25 12:16	7440-38-2	
Barium	**69.6**	ug/L	1.0	0.11	1	04/22/25 15:13	04/23/25 12:16	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/22/25 15:13	04/23/25 12:16	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/22/25 15:13	04/23/25 12:16	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/22/25 15:13	04/23/25 12:16	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/22/25 15:13	04/23/25 12:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/01/25 09:12	05/01/25 20:16	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**227**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Bicarbonate (CaCO3)	**212**	mg/L	10.0	10.0	1		04/28/25 15:05		
Alkalinity,Carbonate (CaCO3)	**14.8**	mg/L	10.0	10.0	1		04/28/25 15:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-11D **Lab ID: 50399127004** Collected: 04/18/25 10:15 Received: 04/18/25 14:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**501**	mg/L	10.0	10.0	1		04/23/25 09:47		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/22/25 10:56		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/19/25 14:47	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.6**	mg/L	1.0	0.30	1		04/25/25 06:25		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 840183
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3844861 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/29/25 05:29	
Fluoride	mg/L	ND	0.10	0.016	04/29/25 05:29	
Sulfate	mg/L	ND	0.25	0.19	04/29/25 05:29	

LABORATORY CONTROL SAMPLE: 3844862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	91	80-120	
Fluoride	mg/L	1	0.97	97	80-120	
Sulfate	mg/L	5	4.6	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844864 3844865

Parameter	Units	50399124006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	112	25	25	133	130	84	71	80-120	2	15	M0
Fluoride	mg/L	0.66	1	1	1.7	1.7	101	106	80-120	3	15	
Sulfate	mg/L	157	50	50	201	197	89	80	80-120	2	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 841207
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3850113 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/01/25 19:17	

LABORATORY CONTROL SAMPLE: 3850114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3850115 3850116

Parameter	Units	50399124006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.9	99	99	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 840011
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3844248 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/27/25 23:29	
Cadmium	ug/L	ND	2.0	0.46	04/27/25 23:29	
Calcium	ug/L	ND	1000	83.9	04/27/25 23:29	
Chromium	ug/L	ND	10.0	0.96	04/27/25 23:29	
Iron	ug/L	ND	100	41.0	04/27/25 23:29	
Lead	ug/L	ND	10.0	2.0	04/27/25 23:29	
Lithium	ug/L	ND	20.0	3.8	04/27/25 23:29	
Magnesium	ug/L	ND	1000	53.7	04/27/25 23:29	
Manganese	ug/L	ND	10.0	0.77	04/27/25 23:29	
Molybdenum	ug/L	ND	10.0	1.4	04/27/25 23:29	
Potassium	ug/L	ND	1000	113	04/27/25 23:29	
Sodium	ug/L	ND	1000	95.0	04/27/25 23:29	

LABORATORY CONTROL SAMPLE: 3844249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	902	90	80-120	
Cadmium	ug/L	1000	936	94	80-120	
Calcium	ug/L	10000	9290	93	80-120	
Chromium	ug/L	1000	907	91	80-120	
Iron	ug/L	10000	9480	95	80-120	
Lead	ug/L	1000	907	91	80-120	
Lithium	ug/L	1000	953	95	80-120	
Magnesium	ug/L	10000	9140	91	80-120	
Manganese	ug/L	1000	947	95	80-120	
Molybdenum	ug/L	1000	958	96	80-120	
Potassium	ug/L	10000	9050	91	80-120	
Sodium	ug/L	10000	9170	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844250 3844251

Parameter	Units	50398969001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	<100	1000	1000	967	926	95	91	75-125	4	20	
Cadmium	ug/L	<2.0	1000	1000	955	938	95	94	75-125	2	20	
Calcium	ug/L	123000	10000	10000	134000	130000	106	72	75-125	3	20	P6
Chromium	ug/L	<10.0	1000	1000	924	910	92	91	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844250 3844251

Parameter	Units	50398969001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	6470	10000	10000	16100	15600	96	91	75-125	3	20	
Lead	ug/L	<10.0	1000	1000	907	891	90	89	75-125	2	20	
Lithium	ug/L	<20.0	1000	1000	967	960	96	96	75-125	1	20	
Magnesium	ug/L	57800	10000	10000	67000	65000	92	72	75-125	3	20	P6
Manganese	ug/L	541	1000	1000	1490	1430	95	89	75-125	4	20	
Molybdenum	ug/L	<10.0	1000	1000	983	963	98	96	75-125	2	20	
Potassium	ug/L	<1000	10000	10000	10000	10100	92	92	75-125	1	20	
Sodium	ug/L	3190	10000	10000	12600	12400	94	92	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 840016
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3844269 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/24/25 01:12	

LABORATORY CONTROL SAMPLE: 3844270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844271 3844272

Parameter	Units	50399175001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L		1000	1000	1040	1030	103	102	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 839806
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3843501 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/23/25 09:57	
Arsenic	ug/L	ND	1.0	0.080	04/23/25 09:57	
Barium	ug/L	ND	1.0	0.11	04/23/25 09:57	
Beryllium	ug/L	ND	0.20	0.026	04/23/25 09:57	
Cobalt	ug/L	ND	1.0	0.045	04/23/25 09:57	
Selenium	ug/L	ND	1.0	0.26	04/23/25 09:57	
Thallium	ug/L	ND	1.0	0.052	04/23/25 09:57	

LABORATORY CONTROL SAMPLE: 3843502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	38.3	96	80-120	
Arsenic	ug/L	40	39.1	98	80-120	
Barium	ug/L	40	39.3	98	80-120	
Beryllium	ug/L	40	38.0	95	80-120	
Cobalt	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	41.1	103	80-120	
Thallium	ug/L	40	40.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3843503 3843504

Parameter	Units	50398954003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	39.9	39.4	99	98	75-125	1	20	
Arsenic	ug/L	ND	40	40	40.2	41.0	99	101	75-125	2	20	
Barium	ug/L	4350	40	40	4390	4430	108	199	75-125	1	20	E,P6
Beryllium	ug/L	ND	40	40	40.2	41.5	100	103	75-125	3	20	
Cobalt	ug/L	ND	40	40	39.9	40.5	94	96	75-125	2	20	
Selenium	ug/L	ND	40	40	38.5	41.0	95	102	75-125	6	20	
Thallium	ug/L	ND	40	40	39.6	40.1	99	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 840705
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3848103 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/28/25 15:05	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/28/25 15:05	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/28/25 15:05	

LABORATORY CONTROL SAMPLE: 3848104

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	45.1	90	90-110	

SAMPLE DUPLICATE: 3848105

Parameter	Units	50399245001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	391	457	15	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	391	457	15	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3848106

Parameter	Units	50399245003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	23.0	22.8	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	23.0	22.8	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 840052 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3844439 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/23/25 09:38	

LABORATORY CONTROL SAMPLE: 3844440

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3844441

Parameter	Units	50399246001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4150	3630	13	10	R1

SAMPLE DUPLICATE: 3844442

Parameter	Units	50399247001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	6070	5770	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 839864
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

SAMPLE DUPLICATE: 3843720

Parameter	Units	50399034001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.3	2	2	H3

SAMPLE DUPLICATE: 3843721

Parameter	Units	50399124006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.7	8.6	0	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 839629
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3842784 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/19/25 14:44	

LABORATORY CONTROL SAMPLE: 3842785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3842786 3842787

Parameter	Units	50399127004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	102	102	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 840409
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3845732 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/25/25 02:32	

LABORATORY CONTROL SAMPLE: 3845733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845734 3845735

Parameter	Units	50398938001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.4	10	10	11.2	11.2	88	89	80-120	1	15	

MATRIX SPIKE SAMPLE: 3845736

Parameter	Units	50398938002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.5	10	10.7	92	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3D **Lab ID: 50399127001** Collected: 04/18/25 12:58 Received: 04/18/25 14:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.689 ± 0.686 (1.10) C:NA T:92%**	pCi/L	05/14/25 13:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.355 ± 0.357 (0.732) C:76% T:90%**	pCi/L	05/14/25 14:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.04 ± 1.04 (1.83)**	pCi/L	05/15/25 16:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3I **Lab ID: 50399127002** Collected: 04/18/25 13:15 Received: 04/18/25 14:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0526 ± 0.450 (0.877) C:NA T:93%**	pCi/L	05/14/25 13:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.469 ± 0.431 (0.878) C:76% T:85%**	pCi/L	05/14/25 14:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.522 ± 0.881 (1.76)**	pCi/L	05/15/25 16:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-3S **Lab ID: 50399127003** Collected: 04/18/25 10:39 Received: 04/18/25 14:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.293 ± 0.446 (1.02) C:NA T:91%**	pCi/L	05/14/25 12:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.190 ± 0.470 (1.05) C:78% T:83%**	pCi/L	05/14/25 14:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.190 ± 0.916 (2.07)**	pCi/L	05/15/25 16:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Sample: MW-11D **Lab ID: 50399127004** Collected: 04/18/25 10:15 Received: 04/18/25 14:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.276 ± 0.695 (1.24) C:NA T:85%**	pCi/L	05/14/25 12:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.662 ± 0.415 (0.771) C:76% T:86%**	pCi/L	05/14/25 14:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.938 ± 1.11 (2.01)**	pCi/L	05/15/25 16:18	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 742291
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3612216 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.294 ± 0.250 (0.310) C:NA T:94%	pCi/L	05/14/25 12:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

QC Batch: 742292 | Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 | Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

METHOD BLANK: 3612218 Matrix: Water
Associated Lab Samples: 50399127001, 50399127002, 50399127003, 50399127004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.200 ± 0.312 (0.778) C:79% T:86%	pCi/L	05/14/25 14:26	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399127001	**MW-3D**	EPA 9056	840183		
50399127002	**MW-3I**	EPA 9056	840183		
50399127003	**MW-3S**	EPA 9056	840183		
50399127004	**MW-11D**	EPA 9056	840183		
50399127001	**MW-3D**	EPA 3010	840011	EPA 6010	840697
50399127002	**MW-3I**	EPA 3010	840011	EPA 6010	840697
50399127003	**MW-3S**	EPA 3010	840011	EPA 6010	840697
50399127004	**MW-11D**	EPA 3010	840011	EPA 6010	840697
50399127001	**MW-3D**	EPA 3010	840016	EPA 6010	840232
50399127002	**MW-3I**	EPA 3010	840016	EPA 6010	840232
50399127003	**MW-3S**	EPA 3010	840016	EPA 6010	840232
50399127004	**MW-11D**	EPA 3010	840016	EPA 6010	840232
50399127001	**MW-3D**	EPA 200.2	839806	EPA 6020	840038
50399127002	**MW-3I**	EPA 200.2	839806	EPA 6020	840038
50399127003	**MW-3S**	EPA 200.2	839806	EPA 6020	840038
50399127004	**MW-11D**	EPA 200.2	839806	EPA 6020	840038
50399127001	**MW-3D**	EPA 7470	841207	EPA 7470	841492
50399127002	**MW-3I**	EPA 7470	841207	EPA 7470	841492
50399127003	**MW-3S**	EPA 7470	841207	EPA 7470	841492
50399127004	**MW-11D**	EPA 7470	841207	EPA 7470	841492
50399127001	**MW-3D**	EPA 903.1	742291		
50399127002	**MW-3I**	EPA 903.1	742291		
50399127003	**MW-3S**	EPA 903.1	742291		
50399127004	**MW-11D**	EPA 903.1	742291		
50399127001	**MW-3D**	EPA 904.0	742292		
50399127002	**MW-3I**	EPA 904.0	742292		
50399127003	**MW-3S**	EPA 904.0	742292		
50399127004	**MW-11D**	EPA 904.0	742292		
50399127001	**MW-3D**	Total Radium Calculation	746009		
50399127002	**MW-3I**	Total Radium Calculation	746009		
50399127003	**MW-3S**	Total Radium Calculation	746009		
50399127004	**MW-11D**	Total Radium Calculation	746009		
50399127001	**MW-3D**	SM 2320B	840705		
50399127002	**MW-3I**	SM 2320B	840705		
50399127003	**MW-3S**	SM 2320B	840705		
50399127004	**MW-11D**	SM 2320B	840705		
50399127001	**MW-3D**	SM 2540C	840052		
50399127002	**MW-3I**	SM 2540C	840052		
50399127003	**MW-3S**	SM 2540C	840052		
50399127004	**MW-11D**	SM 2540C	840052		
50399127001	**MW-3D**	SM 4500-H+B	839864		
50399127002	**MW-3I**	SM 4500-H+B	839864		
50399127003	**MW-3S**	SM 4500-H+B	839864		
50399127004	**MW-11D**	SM 4500-H+B	839864		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399127

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399127001	**MW-3D**	EPA 353.2	839629		
50399127002	**MW-3I**	EPA 353.2	839629		
50399127003	**MW-3S**	EPA 353.2	839629		
50399127004	**MW-11D**	EPA 353.2	839629		
50399127001	**MW-3D**	SM 5310C	840409		
50399127002	**MW-3I**	SM 5310C	840409		
50399127003	**MW-3S**	SM 5310C	840409		
50399127004	**MW-11D**	SM 5310C	840409		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50399127

50399127

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables: [x] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only

Proj. Mgr: Amanda Gaines

AcctNum / Client ID:

Table #:

Profile / Template: 10498/69

Prelog / Bottle Ord. ID: EZ 3238786

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA		Sample Comment	Preservation non-conformance identified for sample.
MW-3D	GW	G	4/18/25	1258						X	X	X	X	X	X	X	X	X	X	001	
MW-3I	GW	G		1315																002	
MW-3S	GW	G		1039																003	
MW-11D	GW	G		1015																004	

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By: (Printed Name) Mohammed Badam
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	G	-0.2	1.4	1.7	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Mohammed Badam / ATLAS	4-18-25 / 1450	Pace	4.18.25 / 1450	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: AB 4.18.25 1645

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F (G) H I

2. Cooler Temperature(s): (Initial/Corrected) 1.9/1.7 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap Bubble Bags None Other _____

4. Ice Type: Wet Blue None

5. Courier: Fed Ex UPS Client Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes No

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis:		✓
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Extra labels on Terracore Vials? (soils only)			

Comments:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC									OTHER									
			SBS																														
			DI																														
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																													HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1	2	1	1									WT	✓	✓		
2												2				2	1	2	1	1									↓	↓	↓		
3												2				2	1	2	1	1													
4												2				2	1	2	1	1													
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Dear Mr. Breting:

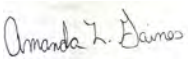
Enclosed are the analytical results for sample(s) received by the laboratory on April 22, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399352001	**MW-1D**	Water	04/22/25 12:00	04/22/25 16:00
50399352002	**MW-1S**	Water	04/22/25 15:00	04/22/25 16:00
50399352003	**MW-1I**	Water	04/22/25 13:30	04/22/25 16:00
50399352004	**FIELD BLANK 1**	Water	04/22/25 15:30	04/22/25 16:00
50399352005	**FIELD BLANK 2**	Water	04/22/25 15:45	04/22/25 16:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399352001	**MW-1D**	EPA 9056	MTW	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399352002	**MW-1S**	EPA 9056	MTW	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399352003	**MW-1I**	EPA 9056	MTW	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399352004	**FIELD BLANK 1**	EPA 9056	MTW	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399352005	**FIELD BLANK 2**	EPA 9056	MTW	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	JTR	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399352001	**MW-1D**					
EPA 9056	Chloride	70.9	mg/L	2.5	04/25/25 21:03	
EPA 9056	Fluoride	0.38	mg/L	0.10	04/25/25 20:46	
EPA 9056	Sulfate	68.2	mg/L	2.5	04/25/25 21:03	
EPA 6010	Boron	224	ug/L	100	04/29/25 11:02	
EPA 6010	Calcium	68800	ug/L	1000	04/29/25 11:02	
EPA 6010	Iron	559	ug/L	100	04/29/25 11:02	
EPA 6010	Lithium	77.7	ug/L	20.0	04/29/25 11:02	
EPA 6010	Magnesium	22200	ug/L	1000	04/29/25 11:02	
EPA 6010	Manganese	323	ug/L	10.0	04/29/25 11:02	
EPA 6010	Molybdenum	86.3	ug/L	10.0	04/29/25 11:02	
EPA 6010	Potassium	7780	ug/L	1000	04/29/25 11:02	
EPA 6010	Sodium	60000	ug/L	1000	04/29/25 11:02	
EPA 6010	Molybdenum, Dissolved	84.7	ug/L	10.0	04/30/25 13:07	
EPA 6020	Arsenic	1.8	ug/L	1.0	04/28/25 02:11	
EPA 6020	Barium	59.3	ug/L	1.0	04/28/25 02:11	
EPA 903.1	Radium-226	0.157 ± 0.493 (0.912) C:NA T:92%	pCi/L		05/07/25 13:18	
EPA 904.0	Radium-228	0.910 ± 0.502 (0.926) C:80% T:86%	pCi/L		05/07/25 14:54	
Total Radium Calculation	Total Radium	1.07 ± 0.995 (1.84)	pCi/L		05/08/25 15:37	
SM 2320B	Alkalinity, Total as CaCO3	235	mg/L	10.0	04/30/25 10:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	235	mg/L	10.0	04/30/25 10:32	
SM 2540C	Total Dissolved Solids	447	mg/L	10.0	04/24/25 10:59	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/23/25 14:32	H3
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	1.0	04/25/25 07:46	
50399352002	**MW-1S**					
EPA 9056	Chloride	65.3	mg/L	2.5	04/25/25 21:37	
EPA 9056	Sulfate	168	mg/L	2.5	04/25/25 21:37	
EPA 6010	Boron	2050	ug/L	100	04/29/25 11:04	
EPA 6010	Calcium	184000	ug/L	1000	04/29/25 11:04	
EPA 6010	Iron	325	ug/L	100	04/29/25 11:04	
EPA 6010	Lithium	65.4	ug/L	20.0	04/29/25 11:04	
EPA 6010	Magnesium	38900	ug/L	1000	04/29/25 11:04	
EPA 6010	Manganese	14.7	ug/L	10.0	04/29/25 11:04	
EPA 6010	Molybdenum	17.8	ug/L	10.0	04/29/25 11:04	
EPA 6010	Potassium	6760	ug/L	1000	04/29/25 11:04	
EPA 6010	Sodium	52800	ug/L	1000	04/29/25 11:04	
EPA 6010	Molybdenum, Dissolved	19.0	ug/L	10.0	04/30/25 13:09	
EPA 6020	Antimony	1.2	ug/L	1.0	04/28/25 05:32	
EPA 6020	Arsenic	3.0	ug/L	1.0	04/28/25 05:32	
EPA 6020	Barium	63.6	ug/L	1.0	04/28/25 05:32	
EPA 6020	Selenium	16.7	ug/L	1.0	04/28/25 05:32	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399352002	**MW-1S**					
EPA 903.1	Radium-226	-0.443 ± 0.597 (1.27) C:NA T:91%	pCi/L		05/07/25 13:18	
EPA 904.0	Radium-228	0.192 ± 0.404 (0.892) C:76% T:87%	pCi/L		05/07/25 14:55	
Total Radium Calculation	Total Radium	0.192 ± 1.00 (2.16)	pCi/L		05/08/25 15:37	
SM 2320B	Alkalinity, Total as CaCO3	480	mg/L	10.0	04/30/25 10:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	480	mg/L	10.0	04/30/25 10:32	
SM 2540C	Total Dissolved Solids	856	mg/L	20.0	04/24/25 10:59	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	04/23/25 14:46	H3
EPA 353.2	Nitrogen, Nitrate	2.6	mg/L	0.10	04/23/25 13:25	
SM 5310C	Dissolved Organic Carbon	2.4	mg/L	1.0	04/25/25 07:57	
50399352003	**MW-1I**					
EPA 9056	Chloride	109	mg/L	2.5	04/25/25 22:11	
EPA 9056	Fluoride	0.27	mg/L	0.10	04/25/25 21:54	
EPA 9056	Sulfate	98.4	mg/L	2.5	04/25/25 22:11	
EPA 6010	Boron	328	ug/L	100	04/29/25 11:06	
EPA 6010	Calcium	83500	ug/L	1000	04/29/25 11:06	
EPA 6010	Iron	458	ug/L	100	04/29/25 11:06	
EPA 6010	Lithium	82.1	ug/L	20.0	04/29/25 11:06	
EPA 6010	Magnesium	27800	ug/L	1000	04/29/25 11:06	
EPA 6010	Manganese	292	ug/L	10.0	04/29/25 11:06	
EPA 6010	Molybdenum	88.0	ug/L	10.0	04/29/25 11:06	
EPA 6010	Potassium	8200	ug/L	1000	04/29/25 11:06	
EPA 6010	Sodium	71300	ug/L	1000	04/29/25 11:06	
EPA 6010	Molybdenum, Dissolved	87.5	ug/L	10.0	04/30/25 13:12	
EPA 6020	Barium	55.8	ug/L	1.0	04/28/25 05:36	
EPA 903.1	Radium-226	0.902 ± 0.641 (0.924) C:NA T:96%	pCi/L		05/07/25 13:18	
EPA 904.0	Radium-228	0.394 ± 0.468 (0.992) C:74% T:90%	pCi/L		05/07/25 14:55	
Total Radium Calculation	Total Radium	1.30 ± 1.11 (1.92)	pCi/L		05/08/25 15:37	
SM 2320B	Alkalinity, Total as CaCO3	228	mg/L	10.0	05/01/25 11:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	228	mg/L	10.0	05/01/25 11:30	
SM 2540C	Total Dissolved Solids	570	mg/L	10.0	04/24/25 11:00	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/23/25 14:34	H3
SM 5310C	Dissolved Organic Carbon	1.6	mg/L	1.0	04/25/25 08:08	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399352004	**FIELD BLANK 1**					
EPA 903.1	Radium-226	0.155 ± 0.650 (1.19) C:NA T:94%	pCi/L		05/07/25 13:18	
EPA 904.0	Radium-228	0.719 ± 0.477 (0.920) C:72% T:92%	pCi/L		05/07/25 14:55	
Total Radium Calculation	Total Radium	0.874 ± 1.13 (2.11)	pCi/L		05/08/25 15:37	
SM 4500-H+B	pH at 25 Degrees C	6.4	Std. Units	0.10	04/23/25 14:51	H3
50399352005	**FIELD BLANK 2**					
EPA 903.1	Radium-226	-0.0941 ± 0.522 (1.03) C:NA T:100%	pCi/L		05/07/25 13:18	
EPA 904.0	Radium-228	-0.369 ± 0.457 (1.12) C:75% T:86%	pCi/L		05/07/25 14:55	
Total Radium Calculation	Total Radium	0.000 ± 0.979 (2.15)	pCi/L		05/08/25 15:37	
SM 4500-H+B	pH at 25 Degrees C	6.1	Std. Units	0.10	04/23/25 14:54	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1D **Lab ID: 50399352001** Collected: 04/22/25 12:00 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**70.9**	mg/L	2.5	1.3	10		04/25/25 21:03	16887-00-6	
Fluoride	**0.38**	mg/L	0.10	0.016	1		04/25/25 20:46	16984-48-8	
Sulfate	**68.2**	mg/L	2.5	1.9	10		04/25/25 21:03	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**224**	ug/L	100	5.6	1	04/24/25 08:05	04/29/25 11:02	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 08:05	04/29/25 11:02	7440-43-9	
Calcium	**68800**	ug/L	1000	83.9	1	04/24/25 08:05	04/29/25 11:02	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 08:05	04/29/25 11:02	7440-47-3	
Iron	**559**	ug/L	100	41.0	1	04/24/25 08:05	04/29/25 11:02	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 08:05	04/29/25 11:02	7439-92-1	
Lithium	**77.7**	ug/L	20.0	3.8	1	04/24/25 08:05	04/29/25 11:02	7439-93-2	
Magnesium	**22200**	ug/L	1000	53.7	1	04/24/25 08:05	04/29/25 11:02	7439-95-4	
Manganese	**323**	ug/L	10.0	0.77	1	04/24/25 08:05	04/29/25 11:02	7439-96-5	
Molybdenum	**86.3**	ug/L	10.0	1.4	1	04/24/25 08:05	04/29/25 11:02	7439-98-7	
Potassium	**7780**	ug/L	1000	113	1	04/24/25 08:05	04/29/25 11:02	7440-09-7	
Sodium	**60000**	ug/L	1000	95.0	1	04/24/25 08:05	04/29/25 11:02	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**84.7**	ug/L	10.0	1.4	1	04/29/25 16:07	04/30/25 13:07	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 02:11	7440-36-0	
Arsenic	**1.8**	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 02:11	7440-38-2	
Barium	**59.3**	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 02:11	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 02:11	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 02:11	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 02:11	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 02:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 20:51	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**235**	mg/L	10.0	10.0	1		04/30/25 10:32		
Alkalinity,Bicarbonate (CaCO3)	**235**	mg/L	10.0	10.0	1		04/30/25 10:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/30/25 10:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1D **Lab ID: 50399352001** Collected: 04/22/25 12:00 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**447**	mg/L	10.0	10.0	1		04/24/25 10:59		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/23/25 14:32		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/23/25 13:01	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.6**	mg/L	1.0	0.30	1		04/25/25 07:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1S **Lab ID: 50399352002** Collected: 04/22/25 15:00 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**65.3**	mg/L	2.5	1.3	10		04/25/25 21:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/25/25 21:20	16984-48-8	
Sulfate	**168**	mg/L	2.5	1.9	10		04/25/25 21:37	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**2050**	ug/L	100	5.6	1	04/24/25 08:05	04/29/25 11:04	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 08:05	04/29/25 11:04	7440-43-9	
Calcium	**184000**	ug/L	1000	83.9	1	04/24/25 08:05	04/29/25 11:04	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 08:05	04/29/25 11:04	7440-47-3	
Iron	**325**	ug/L	100	41.0	1	04/24/25 08:05	04/29/25 11:04	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 08:05	04/29/25 11:04	7439-92-1	
Lithium	**65.4**	ug/L	20.0	3.8	1	04/24/25 08:05	04/29/25 11:04	7439-93-2	
Magnesium	**38900**	ug/L	1000	53.7	1	04/24/25 08:05	04/29/25 11:04	7439-95-4	
Manganese	**14.7**	ug/L	10.0	0.77	1	04/24/25 08:05	04/29/25 11:04	7439-96-5	
Molybdenum	**17.8**	ug/L	10.0	1.4	1	04/24/25 08:05	04/29/25 11:04	7439-98-7	
Potassium	**6760**	ug/L	1000	113	1	04/24/25 08:05	04/29/25 11:04	7440-09-7	
Sodium	**52800**	ug/L	1000	95.0	1	04/24/25 08:05	04/29/25 11:04	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**19.0**	ug/L	10.0	1.4	1	04/29/25 16:07	04/30/25 13:09	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**1.2**	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 05:32	7440-36-0	
Arsenic	**3.0**	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 05:32	7440-38-2	
Barium	**63.6**	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 05:32	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 05:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 05:32	7440-48-4	
Selenium	**16.7**	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 05:32	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 05:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 20:53	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**480**	mg/L	10.0	10.0	1		04/30/25 10:32		
Alkalinity,Bicarbonate (CaCO3)	**480**	mg/L	10.0	10.0	1		04/30/25 10:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		04/30/25 10:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1S **Lab ID: 50399352002** Collected: 04/22/25 15:00 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**856**	mg/L	20.0	20.0	1		04/24/25 10:59		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.1**	Std. Units	0.10	0.10	1		04/23/25 14:46		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.6**	mg/L	0.10	0.013	1		04/23/25 13:25	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.4**	mg/L	1.0	0.30	1		04/25/25 07:57		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1I **Lab ID: 50399352003** Collected: 04/22/25 13:30 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**109**	mg/L	2.5	1.3	10		04/25/25 22:11	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		04/25/25 21:54	16984-48-8	
Sulfate	**98.4**	mg/L	2.5	1.9	10		04/25/25 22:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**328**	ug/L	100	5.6	1	04/24/25 08:05	04/29/25 11:06	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 08:05	04/29/25 11:06	7440-43-9	
Calcium	**83500**	ug/L	1000	83.9	1	04/24/25 08:05	04/29/25 11:06	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 08:05	04/29/25 11:06	7440-47-3	
Iron	**458**	ug/L	100	41.0	1	04/24/25 08:05	04/29/25 11:06	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 08:05	04/29/25 11:06	7439-92-1	
Lithium	**82.1**	ug/L	20.0	3.8	1	04/24/25 08:05	04/29/25 11:06	7439-93-2	
Magnesium	**27800**	ug/L	1000	53.7	1	04/24/25 08:05	04/29/25 11:06	7439-95-4	
Manganese	**292**	ug/L	10.0	0.77	1	04/24/25 08:05	04/29/25 11:06	7439-96-5	
Molybdenum	**88.0**	ug/L	10.0	1.4	1	04/24/25 08:05	04/29/25 11:06	7439-98-7	
Potassium	**8200**	ug/L	1000	113	1	04/24/25 08:05	04/29/25 11:06	7440-09-7	
Sodium	**71300**	ug/L	1000	95.0	1	04/24/25 08:05	04/29/25 11:06	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**87.5**	ug/L	10.0	1.4	1	04/29/25 16:07	04/30/25 13:12	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 05:36	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 05:36	7440-38-2	
Barium	**55.8**	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 05:36	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 05:36	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 05:36	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 05:36	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 05:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 20:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**228**	mg/L	10.0	10.0	1		05/01/25 11:30		
Alkalinity,Bicarbonate (CaCO3)	**228**	mg/L	10.0	10.0	1		05/01/25 11:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/01/25 11:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1I **Lab ID: 50399352003** Collected: 04/22/25 13:30 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**570**	mg/L	10.0	10.0	1		04/24/25 11:00		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/23/25 14:34		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/23/25 13:18	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.6**	mg/L	1.0	0.30	1		04/25/25 08:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: FIELD BLANK 1 **Lab ID: 50399352004** Collected: 04/22/25 15:30 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		04/25/25 22:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/25/25 22:29	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		04/25/25 22:29	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/24/25 08:05	04/29/25 12:07	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 08:05	04/29/25 12:07	7440-43-9	
Calcium	ND	ug/L	1000	83.9	1	04/24/25 08:05	04/29/25 12:07	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 08:05	04/29/25 12:07	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/24/25 08:05	04/29/25 12:07	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 08:05	04/29/25 12:07	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/24/25 08:05	04/29/25 12:07	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	04/24/25 08:05	04/29/25 12:07	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/24/25 08:05	04/29/25 12:07	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/24/25 08:05	04/29/25 12:07	7439-98-7	
Potassium	ND	ug/L	1000	113	1	04/24/25 08:05	04/29/25 12:07	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	04/24/25 08:05	04/29/25 12:07	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/29/25 16:07	04/30/25 13:14	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 05:39	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 05:39	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 05:39	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 05:39	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 05:39	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 05:39	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 05:39	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 20:58	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		05/01/25 11:30		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/01/25 11:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/01/25 11:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: FIELD BLANK 1 **Lab ID: 50399352004** Collected: 04/22/25 15:30 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		04/24/25 11:00		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.4**	Std. Units	0.10	0.10	1		04/23/25 14:51		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/23/25 13:31	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/25/25 08:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: FIELD BLANK 2 **Lab ID: 50399352005** Collected: 04/22/25 15:45 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		04/26/25 00:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/26/25 00:12	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		04/26/25 00:12	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/24/25 08:05	04/29/25 11:10	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 08:05	04/29/25 11:10	7440-43-9	
Calcium	ND	ug/L	1000	83.9	1	04/24/25 08:05	04/29/25 11:10	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 08:05	04/29/25 11:10	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/24/25 08:05	04/29/25 11:10	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 08:05	04/29/25 11:10	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/24/25 08:05	04/29/25 11:10	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	04/24/25 08:05	04/29/25 11:10	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/24/25 08:05	04/29/25 11:10	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/24/25 08:05	04/29/25 11:10	7439-98-7	
Potassium	ND	ug/L	1000	113	1	04/24/25 08:05	04/29/25 11:10	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	04/24/25 08:05	04/29/25 11:10	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/29/25 16:07	04/30/25 13:16	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 05:43	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 05:43	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 05:43	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 05:43	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 05:43	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 05:43	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 05:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 21:00	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		05/01/25 11:30		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/01/25 11:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/01/25 11:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: FIELD BLANK 2 **Lab ID: 50399352005** Collected: 04/22/25 15:45 Received: 04/22/25 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		04/24/25 11:00		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.1**	Std. Units	0.10	0.10	1		04/23/25 14:54		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/23/25 13:33	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		04/25/25 08:47		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840196
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3844905 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/25/25 11:01	
Fluoride	mg/L	ND	0.10	0.016	04/25/25 11:01	
Sulfate	mg/L	ND	0.25	0.19	04/25/25 11:01	

LABORATORY CONTROL SAMPLE: 3844906

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	93	80-120	
Fluoride	mg/L	1	0.98	98	80-120	
Sulfate	mg/L	5	4.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844910 3844911

Parameter	Units	50399352001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	70.9	25	25	94.6	91.6	95	83	80-120	3	15	
Fluoride	mg/L	0.38	1	1	1.9	1.4	150	106	80-120	27	15	M0,R1
Sulfate	mg/L	68.2	50	50	114	112	92	87	80-120	2	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 841367
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3850937 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/04/25 20:46	

LABORATORY CONTROL SAMPLE: 3850938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3850939 3850940

Parameter	Units	50399370001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	5.3	98	106	75-125	8	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840070
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3844505 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/29/25 10:55	
Cadmium	ug/L	ND	2.0	0.46	04/29/25 10:55	
Calcium	ug/L	ND	1000	83.9	04/29/25 10:55	
Chromium	ug/L	ND	10.0	0.96	04/29/25 10:55	
Iron	ug/L	ND	100	41.0	04/29/25 10:55	
Lead	ug/L	ND	10.0	2.0	04/29/25 10:55	
Lithium	ug/L	ND	20.0	3.8	04/29/25 10:55	
Magnesium	ug/L	ND	1000	53.7	04/29/25 10:55	
Manganese	ug/L	ND	10.0	0.77	04/29/25 10:55	
Molybdenum	ug/L	ND	10.0	1.4	04/29/25 10:55	
Potassium	ug/L	ND	1000	113	04/29/25 10:55	
Sodium	ug/L	ND	1000	95.0	04/29/25 10:55	

LABORATORY CONTROL SAMPLE: 3844506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	966	97	80-120	
Cadmium	ug/L	1000	950	95	80-120	
Calcium	ug/L	10000	9920	99	80-120	
Chromium	ug/L	1000	980	98	80-120	
Iron	ug/L	10000	9840	98	80-120	
Lead	ug/L	1000	920	92	80-120	
Lithium	ug/L	1000	967	97	80-120	
Magnesium	ug/L	10000	9620	96	80-120	
Manganese	ug/L	1000	941	94	80-120	
Molybdenum	ug/L	1000	998	100	80-120	
Potassium	ug/L	10000	9800	98	80-120	
Sodium	ug/L	10000	9820	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844758 3844759

Parameter	Units	50399354004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	175	1000	1000	1130	1160	96	98	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	960	946	96	95	75-125	2	20	
Calcium	ug/L	123000	10000	10000	131000	133000	78	100	75-125	2	20	
Chromium	ug/L	ND	1000	1000	948	967	95	97	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844758 3844759

Parameter	Units	50399354004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	589	10000	10000	10000	10200	94	96	75-125	2	20	
Lead	ug/L	ND	1000	1000	906	890	90	89	75-125	2	20	
Lithium	ug/L	ND	1000	1000	977	972	96	95	75-125	1	20	
Magnesium	ug/L	32000	10000	10000	40600	41300	86	93	75-125	2	20	
Manganese	ug/L	12.3	1000	1000	918	938	91	93	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1010	997	101	100	75-125	1	20	
Potassium	ug/L	ND	10000	10000	10400	10300	96	95	75-125	1	20	
Sodium	ug/L	12900	10000	10000	22300	22200	95	93	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844760 3844761

Parameter	Units	50399354007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	270	1000	1000	1250	1250	98	98	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	935	962	93	96	75-125	3	20	
Calcium	ug/L	142000	10000	10000	151000	150000	92	88	75-125	0	20	
Chromium	ug/L	ND	1000	1000	950	956	95	96	75-125	1	20	
Iron	ug/L	855	10000	10000	10400	10400	95	96	75-125	0	20	
Lead	ug/L	ND	1000	1000	876	901	88	90	75-125	3	20	
Lithium	ug/L	ND	1000	1000	939	971	93	96	75-125	3	20	
Magnesium	ug/L	27500	10000	10000	36800	36700	92	92	75-125	0	20	
Manganese	ug/L	257	1000	1000	1160	1170	90	91	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	992	1020	99	102	75-125	2	20	
Potassium	ug/L	1670	10000	10000	11000	11400	93	97	75-125	3	20	
Sodium	ug/L	62600	10000	10000	71000	71800	84	92	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840239
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3845144 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/30/25 12:39	

LABORATORY CONTROL SAMPLE: 3845145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	966	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845146 3845147

Parameter	Units	50399278004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	<10.0	1000	1000	964	1000	96	100	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840529
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3846676 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/28/25 00:37	
Arsenic	ug/L	ND	1.0	0.080	04/28/25 00:37	
Barium	ug/L	ND	1.0	0.11	04/28/25 00:37	
Beryllium	ug/L	ND	0.20	0.026	04/28/25 00:37	
Cobalt	ug/L	ND	1.0	0.045	04/28/25 00:37	
Selenium	ug/L	ND	1.0	0.26	04/28/25 00:37	
Thallium	ug/L	ND	1.0	0.052	04/28/25 00:37	

LABORATORY CONTROL SAMPLE: 3846677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.7	104	80-120	
Arsenic	ug/L	40	38.4	96	80-120	
Barium	ug/L	40	38.5	96	80-120	
Beryllium	ug/L	40	37.0	93	80-120	
Cobalt	ug/L	40	41.8	105	80-120	
Selenium	ug/L	40	38.6	96	80-120	
Thallium	ug/L	40	42.2	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846681 3846682

Parameter	Units	50399352001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.8	42.8	107	107	75-125	0	20	
Arsenic	ug/L	1.8	40	40	40.2	39.7	96	95	75-125	1	20	
Barium	ug/L	59.3	40	40	103	101	109	105	75-125	1	20	
Beryllium	ug/L	ND	40	40	37.6	38.0	94	95	75-125	1	20	
Cobalt	ug/L	ND	40	40	39.4	39.6	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	38.1	38.2	95	95	75-125	0	20	
Thallium	ug/L	ND	40	40	43.3	43.1	108	108	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 841099
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002

METHOD BLANK: 3849555 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	04/30/25 10:32	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	04/30/25 10:32	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	04/30/25 10:32	

LABORATORY CONTROL SAMPLE: 3849556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	90-110	

SAMPLE DUPLICATE: 3849557

Parameter	Units	50399557001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	381	388	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	381	388	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3849558

Parameter	Units	50399557011 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	389	393	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	389	393	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 841312
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352003, 50399352004, 50399352005

METHOD BLANK: 3850760 Matrix: Water
Associated Lab Samples: 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/01/25 11:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/01/25 11:30	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/01/25 11:30	

LABORATORY CONTROL SAMPLE: 3850761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.3	97	90-110	

SAMPLE DUPLICATE: 3850762

Parameter	Units	50399352003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	228	229	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	228	229	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3850763

Parameter	Units	50399557003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	408	407	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	408	407	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840255 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3845269 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/24/25 10:51	

LABORATORY CONTROL SAMPLE: 3845270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	80-120	

SAMPLE DUPLICATE: 3845271

Parameter	Units	50399194005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	471	475	1	10	

SAMPLE DUPLICATE: 3845417

Parameter	Units	50399291001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	659	864	27	10	R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840115
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

SAMPLE DUPLICATE: 3844638

Parameter	Units	50396653001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.6	1	2	H3

SAMPLE DUPLICATE: 3844639

Parameter	Units	50399352005 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.1	5.9	3	2	H3,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840119
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3844644 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/23/25 12:46	

LABORATORY CONTROL SAMPLE: 3844645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3844646 3844647

Parameter	Units	50399353005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	3.6	2	2	5.7	5.7	106	106	90-110	0	20	

MATRIX SPIKE SAMPLE: 3844648

Parameter	Units	50399352003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	104	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840409
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352001, 50399352002, 50399352003

METHOD BLANK: 3845732 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/25/25 02:32	

LABORATORY CONTROL SAMPLE: 3845733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845734 3845735

Parameter	Units	50398938001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	2.4	10	10	11.2	11.2	88	89	80-120	1	15	

MATRIX SPIKE SAMPLE: 3845736

Parameter	Units	50398938002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.5	10	10.7	92	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 840410
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399352004, 50399352005

METHOD BLANK: 3845737 Matrix: Water
Associated Lab Samples: 50399352004, 50399352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/25/25 08:18	

LABORATORY CONTROL SAMPLE: 3845738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845739 3845740

Parameter	Units	50399415001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	3.0	10	10	12.5	12.6	95	96	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1D **Lab ID: 50399352001** Collected: 04/22/25 12:00 Received: 04/22/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.157 ± 0.493 (0.912) C:NA T:92%**	pCi/L	05/07/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.910 ± 0.502 (0.926) C:80% T:86%**	pCi/L	05/07/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.07 ± 0.995 (1.84)**	pCi/L	05/08/25 15:37	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1S **Lab ID: 50399352002** Collected: 04/22/25 15:00 Received: 04/22/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.443 ± 0.597 (1.27) C:NA T:91%**	pCi/L	05/07/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.192 ± 0.404 (0.892) C:76% T:87%**	pCi/L	05/07/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.192 ± 1.00 (2.16)**	pCi/L	05/08/25 15:37	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: MW-1I **Lab ID: 50399352003** Collected: 04/22/25 13:30 Received: 04/22/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.902 ± 0.641 (0.924) C:NA T:96%**	pCi/L	05/07/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.394 ± 0.468 (0.992) C:74% T:90%**	pCi/L	05/07/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.30 ± 1.11 (1.92)**	pCi/L	05/08/25 15:37	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: FIELD BLANK 1 **Lab ID: 50399352004** Collected: 04/22/25 15:30 Received: 04/22/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.155 ± 0.650 (1.19) C:NA T:94%**	pCi/L	05/07/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.719 ± 0.477 (0.920) C:72% T:92%**	pCi/L	05/07/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.874 ± 1.13 (2.11)**	pCi/L	05/08/25 15:37	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Sample: FIELD BLANK 2 **Lab ID: 50399352005** Collected: 04/22/25 15:45 Received: 04/22/25 16:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.0941 ± 0.522 (1.03) C:NA T:100%**	pCi/L	05/07/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.369 ± 0.457 (1.12) C:75% T:86%**	pCi/L	05/07/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000 ± 0.979 (2.15)**	pCi/L	05/08/25 15:37	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 742288 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3612208 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0850 ± 0.333 (0.638) C:NA T:93%	pCi/L	05/07/25 13:18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

QC Batch: 742289 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

METHOD BLANK: 3612210 Matrix: Water
Associated Lab Samples: 50399352001, 50399352002, 50399352003, 50399352004, 50399352005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.136 ± 0.336 (0.749) C:80% T:95%	pCi/L	05/07/25 14:54	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399352001	**MW-1D**	EPA 9056	840196		
50399352002	**MW-1S**	EPA 9056	840196		
50399352003	**MW-1I**	EPA 9056	840196		
50399352004	**FIELD BLANK 1**	EPA 9056	840196		
50399352005	**FIELD BLANK 2**	EPA 9056	840196		
50399352001	**MW-1D**	EPA 3010	840070	EPA 6010	840939
50399352002	**MW-1S**	EPA 3010	840070	EPA 6010	840939
50399352003	**MW-1I**	EPA 3010	840070	EPA 6010	840939
50399352004	**FIELD BLANK 1**	EPA 3010	840070	EPA 6010	840939
50399352005	**FIELD BLANK 2**	EPA 3010	840070	EPA 6010	840939
50399352001	**MW-1D**	EPA 3010	840239	EPA 6010	841168
50399352002	**MW-1S**	EPA 3010	840239	EPA 6010	841168
50399352003	**MW-1I**	EPA 3010	840239	EPA 6010	841168
50399352004	**FIELD BLANK 1**	EPA 3010	840239	EPA 6010	841168
50399352005	**FIELD BLANK 2**	EPA 3010	840239	EPA 6010	841168
50399352001	**MW-1D**	EPA 200.2	840529	EPA 6020	840681
50399352002	**MW-1S**	EPA 200.2	840529	EPA 6020	840681
50399352003	**MW-1I**	EPA 200.2	840529	EPA 6020	840681
50399352004	**FIELD BLANK 1**	EPA 200.2	840529	EPA 6020	840681
50399352005	**FIELD BLANK 2**	EPA 200.2	840529	EPA 6020	840681
50399352001	**MW-1D**	EPA 7470	841367	EPA 7470	841808
50399352002	**MW-1S**	EPA 7470	841367	EPA 7470	841808
50399352003	**MW-1I**	EPA 7470	841367	EPA 7470	841808
50399352004	**FIELD BLANK 1**	EPA 7470	841367	EPA 7470	841808
50399352005	**FIELD BLANK 2**	EPA 7470	841367	EPA 7470	841808
50399352001	**MW-1D**	EPA 903.1	742288		
50399352002	**MW-1S**	EPA 903.1	742288		
50399352003	**MW-1I**	EPA 903.1	742288		
50399352004	**FIELD BLANK 1**	EPA 903.1	742288		
50399352005	**FIELD BLANK 2**	EPA 903.1	742288		
50399352001	**MW-1D**	EPA 904.0	742289		
50399352002	**MW-1S**	EPA 904.0	742289		
50399352003	**MW-1I**	EPA 904.0	742289		
50399352004	**FIELD BLANK 1**	EPA 904.0	742289		
50399352005	**FIELD BLANK 2**	EPA 904.0	742289		
50399352001	**MW-1D**	Total Radium Calculation	744476		
50399352002	**MW-1S**	Total Radium Calculation	744476		
50399352003	**MW-1I**	Total Radium Calculation	744476		
50399352004	**FIELD BLANK 1**	Total Radium Calculation	744476		
50399352005	**FIELD BLANK 2**	Total Radium Calculation	744476		
50399352001	**MW-1D**	SM 2320B	841099		
50399352002	**MW-1S**	SM 2320B	841099		
50399352003	**MW-1I**	SM 2320B	841312		
50399352004	**FIELD BLANK 1**	SM 2320B	841312		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R1
Pace Project No.: 50399352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399352005	**FIELD BLANK 2**	SM 2320B	841312		
50399352001	**MW-1D**	SM 2540C	840255		
50399352002	**MW-1S**	SM 2540C	840255		
50399352003	**MW-1I**	SM 2540C	840255		
50399352004	**FIELD BLANK 1**	SM 2540C	840255		
50399352005	**FIELD BLANK 2**	SM 2540C	840255		
50399352001	**MW-1D**	SM 4500-H+B	840115		
50399352002	**MW-1S**	SM 4500-H+B	840115		
50399352003	**MW-1I**	SM 4500-H+B	840115		
50399352004	**FIELD BLANK 1**	SM 4500-H+B	840115		
50399352005	**FIELD BLANK 2**	SM 4500-H+B	840115		
50399352001	**MW-1D**	EPA 353.2	840119		
50399352002	**MW-1S**	EPA 353.2	840119		
50399352003	**MW-1I**	EPA 353.2	840119		
50399352004	**FIELD BLANK 1**	EPA 353.2	840119		
50399352005	**FIELD BLANK 2**	EPA 353.2	840119		
50399352001	**MW-1D**	SM 5310C	840409		
50399352002	**MW-1S**	SM 5310C	840409		
50399352003	**MW-1I**	SM 5310C	840409		
50399352004	**FIELD BLANK 1**	SM 5310C	840410		
50399352005	**FIELD BLANK 2**	SM 5310C	840410		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50399352

50399352

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R1	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment	Preservation non-conformance identified for sample.
MW-1D	GW	G	4/22/25	1200															001	
MW-1S				1500															002	
MW-1I				1330															003	
Field Blank 1				1580															004	
Field Blank 2				1545															005	

Lab Use Only
Proj. Mgr: **Amanda Gaines**
AcctNum / Client ID:
Table #:
Profile / Template: **10498/69**
Prelog / Bottle Ord. ID: **EZ 3238786**

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mohammed Brelavit
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	F	0.0	see scur		Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	1600	Pace	4/22/25 1600	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 5 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/22/25 17:32 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E (F) G H I

2. Cooler Temperature(s): (Initial/Corrected) 1.3/1.3 | 5.2/5.2 | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes No

(If yes)Seals Intact: Yes No (leave blank if no seals were present)

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		~
Short Hold Time Analysis (48 hours or less)? **Analysis:** NO2/NO3	~	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		~
Custody Signatures Present?	~	
Containers Intact?:	~	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	.	~

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: ~~HNO3 (<2)~~ H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) ~~Any non-conformance to pH recommendations will be noted on the container count form~~	~		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			~
Residual Chlorine Check (Total/Amenable/Free Cyanide)			~
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details			~
Trip Blank Present?		~	
Trip Blank Custody Seals?:			~
Extra labels on Terracore Vials? (soils only)			

Comments: MW-15 has a different ID, but same date & time on label JG 4/22/25

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																														HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2			2		1	2	1	1								WT	✓	✓		
2												↓			↓		↓	↓	↓	↓									↓	↓		
3																																	
4																																	
5												↓			↓		↓	↓	↓	↓									↓				
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic
NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Dear Mr. Breting:

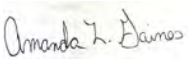
Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399415001	**MW-17D**	Water	04/23/25 12:00	04/23/25 17:30
50399415002	**MW-17I**	Water	04/23/25 14:30	04/23/25 17:30
50399415003	**MW-23D**	Water	04/23/25 15:30	04/23/25 17:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399415001	**MW-17D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399415002	**MW-17I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399415003	**MW-23D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399415001	**MW-17D**					
EPA 9056	Chloride	91.1	mg/L	2.5	04/25/25 22:12	
EPA 9056	Sulfate	168	mg/L	2.5	04/25/25 22:12	
EPA 6010	Boron	3280	ug/L	100	04/26/25 13:03	
EPA 6010	Calcium	112000	ug/L	1000	04/26/25 13:03	
EPA 6010	Iron	2170	ug/L	100	04/26/25 13:03	
EPA 6010	Lithium	37.5	ug/L	20.0	04/26/25 13:03	
EPA 6010	Magnesium	28600	ug/L	1000	04/26/25 13:03	
EPA 6010	Manganese	376	ug/L	10.0	04/26/25 13:03	
EPA 6010	Potassium	3080	ug/L	1000	04/26/25 13:03	
EPA 6010	Sodium	56100	ug/L	1000	04/26/25 13:03	
EPA 6020	Arsenic	4.4	ug/L	1.0	04/28/25 05:54	
EPA 6020	Barium	66.1	ug/L	1.0	04/28/25 05:54	
EPA 903.1	Radium-226	0.774 ± 0.863 (1.41) C:NA T:89%	pCi/L		05/15/25 15:40	
EPA 904.0	Radium-228	1.40 ± 0.538 (0.841) C:87% T:85%	pCi/L		05/15/25 14:48	
Total Radium Calculation	Total Radium	2.17 ± 1.40 (2.25)	pCi/L		05/19/25 10:43	
SM 2320B	Alkalinity, Total as CaCO3	234	mg/L	10.0	05/05/25 15:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	234	mg/L	10.0	05/05/25 15:04	
SM 2540C	Total Dissolved Solids	632	mg/L	10.0	04/24/25 11:09	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/28/25 10:17	H3
SM 5310C	Dissolved Organic Carbon	3.0	mg/L	1.0	04/25/25 08:58	
50399415002	**MW-17I**					
EPA 9056	Chloride	47.6	mg/L	2.5	04/25/25 22:45	
EPA 9056	Fluoride	0.15	mg/L	0.10	04/25/25 22:29	
EPA 9056	Sulfate	48.6	mg/L	0.25	04/25/25 22:29	
EPA 6010	Boron	705	ug/L	100	04/26/25 13:05	
EPA 6010	Calcium	89800	ug/L	1000	04/26/25 13:05	
EPA 6010	Magnesium	21400	ug/L	1000	04/26/25 13:05	
EPA 6010	Potassium	2500	ug/L	1000	04/26/25 13:05	
EPA 6010	Sodium	32800	ug/L	1000	04/26/25 13:05	
EPA 6020	Barium	58.6	ug/L	1.0	04/28/25 05:57	
EPA 903.1	Radium-226	0.0557 ± 0.567 (1.08) C:NA T:91%	pCi/L		05/15/25 15:40	
EPA 904.0	Radium-228	0.313 ± 0.404 (0.861) C:88% T:90%	pCi/L		05/15/25 14:48	
Total Radium Calculation	Total Radium	0.369 ± 0.971 (1.94)	pCi/L		05/19/25 10:43	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399415002	**MW-17I**					
SM 2320B	Alkalinity, Total as CaCO3	276	mg/L	10.0	05/05/25 15:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	276	mg/L	10.0	05/05/25 15:04	
SM 2540C	Total Dissolved Solids	431	mg/L	10.0	04/24/25 11:09	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/28/25 10:19	H3
EPA 353.2	Nitrogen, Nitrate	1.9	mg/L	0.10	04/24/25 22:50	
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	04/25/25 09:57	
50399415003	**MW-23D**					
EPA 9056	Chloride	23.1	mg/L	2.5	04/25/25 23:19	
EPA 9056	Sulfate	38.1	mg/L	0.25	04/25/25 23:02	
EPA 6010	Calcium	73000	ug/L	1000	04/26/25 13:07	
EPA 6010	Iron	111	ug/L	100	04/26/25 13:07	
EPA 6010	Magnesium	21400	ug/L	1000	04/26/25 13:07	
EPA 6010	Manganese	194	ug/L	10.0	04/26/25 13:07	
EPA 6010	Potassium	1370	ug/L	1000	04/26/25 13:07	
EPA 6010	Sodium	14300	ug/L	1000	04/26/25 13:07	
EPA 6020	Barium	49.2	ug/L	1.0	04/28/25 06:01	
EPA 6020	Selenium	10.9	ug/L	1.0	04/28/25 06:01	
EPA 903.1	Radium-226	-0.306 ± 0.857 (1.67) C:NA T:93%	pCi/L		05/15/25 15:40	
EPA 904.0	Radium-228	0.992 ± 0.474 (0.824) C:85% T:87%	pCi/L		05/15/25 14:48	
Total Radium Calculation	Total Radium	0.992 ± 1.33 (2.49)	pCi/L		05/19/25 10:43	
SM 2320B	Alkalinity, Total as CaCO3	223	mg/L	10.0	05/05/25 15:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	223	mg/L	10.0	05/05/25 15:04	
SM 2540C	Total Dissolved Solids	329	mg/L	10.0	04/24/25 11:10	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/28/25 10:20	H3
EPA 353.2	Nitrogen, Nitrate	1.2	mg/L	0.10	04/24/25 22:54	
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	04/25/25 10:13	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-17D **Lab ID: 50399415001** Collected: 04/23/25 12:00 Received: 04/23/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**91.1**	mg/L	2.5	1.3	10		04/25/25 22:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/25/25 21:55	16984-48-8	
Sulfate	**168**	mg/L	2.5	1.9	10		04/25/25 22:12	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**3280**	ug/L	100	5.6	1	04/24/25 16:06	04/26/25 13:03	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 16:06	04/26/25 13:03	7440-43-9	
Calcium	**112000**	ug/L	1000	83.9	1	04/24/25 16:06	04/26/25 13:03	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 16:06	04/26/25 13:03	7440-47-3	
Iron	**2170**	ug/L	100	41.0	1	04/24/25 16:06	04/26/25 13:03	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 16:06	04/26/25 13:03	7439-92-1	
Lithium	**37.5**	ug/L	20.0	3.8	1	04/24/25 16:06	04/26/25 13:03	7439-93-2	
Magnesium	**28600**	ug/L	1000	53.7	1	04/24/25 16:06	04/26/25 13:03	7439-95-4	
Manganese	**376**	ug/L	10.0	0.77	1	04/24/25 16:06	04/26/25 13:03	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/24/25 16:06	04/26/25 13:03	7439-98-7	
Potassium	**3080**	ug/L	1000	113	1	04/24/25 16:06	04/26/25 13:03	7440-09-7	
Sodium	**56100**	ug/L	1000	95.0	1	04/24/25 16:06	04/26/25 13:03	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 22:49	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 05:54	7440-36-0	
Arsenic	**4.4**	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 05:54	7440-38-2	
Barium	**66.1**	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 05:54	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 05:54	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 05:54	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 05:54	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 05:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 21:49	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**234**	mg/L	10.0	10.0	1		05/05/25 15:04		
Alkalinity,Bicarbonate (CaCO3)	**234**	mg/L	10.0	10.0	1		05/05/25 15:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/05/25 15:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-17D **Lab ID: 50399415001** Collected: 04/23/25 12:00 Received: 04/23/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**632**	mg/L	10.0	10.0	1		04/24/25 11:09		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/28/25 10:17		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/24/25 22:37	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.0**	mg/L	1.0	0.30	1		04/25/25 08:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-17I **Lab ID: 50399415002** Collected: 04/23/25 14:30 Received: 04/23/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**47.6**	mg/L	2.5	1.3	10		04/25/25 22:45	16887-00-6	
Fluoride	**0.15**	mg/L	0.10	0.016	1		04/25/25 22:29	16984-48-8	
Sulfate	**48.6**	mg/L	0.25	0.19	1		04/25/25 22:29	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**705**	ug/L	100	5.6	1	04/24/25 16:06	04/26/25 13:05	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 16:06	04/26/25 13:05	7440-43-9	
Calcium	**89800**	ug/L	1000	83.9	1	04/24/25 16:06	04/26/25 13:05	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 16:06	04/26/25 13:05	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/24/25 16:06	04/26/25 13:05	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 16:06	04/26/25 13:05	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/24/25 16:06	04/26/25 13:05	7439-93-2	
Magnesium	**21400**	ug/L	1000	53.7	1	04/24/25 16:06	04/26/25 13:05	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/24/25 16:06	04/26/25 13:05	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/24/25 16:06	04/26/25 13:05	7439-98-7	
Potassium	**2500**	ug/L	1000	113	1	04/24/25 16:06	04/26/25 13:05	7440-09-7	
Sodium	**32800**	ug/L	1000	95.0	1	04/24/25 16:06	04/26/25 13:05	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 22:51	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 05:57	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 05:57	7440-38-2	
Barium	**58.6**	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 05:57	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 05:57	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 05:57	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 05:57	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 05:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 21:52	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**276**	mg/L	10.0	10.0	1		05/05/25 15:04		
Alkalinity,Bicarbonate (CaCO3)	**276**	mg/L	10.0	10.0	1		05/05/25 15:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/05/25 15:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-17I **Lab ID: 50399415002** Collected: 04/23/25 14:30 Received: 04/23/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**431**	mg/L	10.0	10.0	1		04/24/25 11:09		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/28/25 10:19		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.9**	mg/L	0.10	0.013	1		04/24/25 22:50	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.3**	mg/L	1.0	0.30	1		04/25/25 09:57		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-23D **Lab ID: 50399415003** Collected: 04/23/25 15:30 Received: 04/23/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**23.1**	mg/L	2.5	1.3	10		04/25/25 23:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/25/25 23:02	16984-48-8	
Sulfate	**38.1**	mg/L	0.25	0.19	1		04/25/25 23:02	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/24/25 16:06	04/26/25 13:07	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/24/25 16:06	04/26/25 13:07	7440-43-9	
Calcium	**73000**	ug/L	1000	83.9	1	04/24/25 16:06	04/26/25 13:07	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/24/25 16:06	04/26/25 13:07	7440-47-3	
Iron	**111**	ug/L	100	41.0	1	04/24/25 16:06	04/26/25 13:07	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/24/25 16:06	04/26/25 13:07	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/24/25 16:06	04/26/25 13:07	7439-93-2	
Magnesium	**21400**	ug/L	1000	53.7	1	04/24/25 16:06	04/26/25 13:07	7439-95-4	
Manganese	**194**	ug/L	10.0	0.77	1	04/24/25 16:06	04/26/25 13:07	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/24/25 16:06	04/26/25 13:07	7439-98-7	
Potassium	**1370**	ug/L	1000	113	1	04/24/25 16:06	04/26/25 13:07	7440-09-7	
Sodium	**14300**	ug/L	1000	95.0	1	04/24/25 16:06	04/26/25 13:07	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 22:53	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/26/25 15:15	04/28/25 06:01	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/26/25 15:15	04/28/25 06:01	7440-38-2	
Barium	**49.2**	ug/L	1.0	0.11	1	04/26/25 15:15	04/28/25 06:01	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/26/25 15:15	04/28/25 06:01	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/26/25 15:15	04/28/25 06:01	7440-48-4	
Selenium	**10.9**	ug/L	1.0	0.26	1	04/26/25 15:15	04/28/25 06:01	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/26/25 15:15	04/28/25 06:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/02/25 10:32	05/04/25 21:54	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**223**	mg/L	10.0	10.0	1		05/05/25 15:04		
Alkalinity,Bicarbonate (CaCO3)	**223**	mg/L	10.0	10.0	1		05/05/25 15:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/05/25 15:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-23D **Lab ID: 50399415003** Collected: 04/23/25 15:30 Received: 04/23/25 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**329**	mg/L	10.0	10.0	1		04/24/25 11:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/28/25 10:20		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.2**	mg/L	0.10	0.013	1		04/24/25 22:54	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.30	1		04/25/25 10:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840466
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3846332 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/25/25 14:55	
Fluoride	mg/L	ND	0.10	0.016	04/25/25 14:55	
Sulfate	mg/L	ND	0.25	0.19	04/25/25 14:55	

LABORATORY CONTROL SAMPLE: 3846333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	91	80-120	
Fluoride	mg/L	1	0.95	95	80-120	
Sulfate	mg/L	5	4.7	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846349 3846350

Parameter	Units	50399508005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	246	250	250	459	458	85	85	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.1	1.1	101	101	80-120	1	15	
Sulfate	mg/L	65.4	50	50	113	113	96	95	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 841367
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3850937 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/04/25 20:46	

LABORATORY CONTROL SAMPLE: 3850938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3850939 3850940

Parameter	Units	50399370001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	5.3	98	106	75-125	8	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840237
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3845130 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/26/25 12:07	
Cadmium	ug/L	ND	2.0	0.46	04/26/25 12:07	
Calcium	ug/L	ND	1000	83.9	04/26/25 12:07	
Chromium	ug/L	ND	10.0	0.96	04/26/25 12:07	
Iron	ug/L	ND	100	41.0	04/26/25 12:07	
Lead	ug/L	ND	10.0	2.0	04/26/25 12:07	
Lithium	ug/L	ND	20.0	3.8	04/26/25 12:07	
Magnesium	ug/L	ND	1000	53.7	04/26/25 12:07	
Manganese	ug/L	ND	10.0	0.77	04/26/25 12:07	
Molybdenum	ug/L	ND	10.0	1.4	04/26/25 12:07	
Potassium	ug/L	ND	1000	113	04/26/25 12:07	
Sodium	ug/L	ND	1000	95.0	04/26/25 12:07	

LABORATORY CONTROL SAMPLE: 3845131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	971	97	80-120	
Cadmium	ug/L	1000	1000	100	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Iron	ug/L	10000	10300	103	80-120	
Lead	ug/L	1000	972	97	80-120	
Lithium	ug/L	1000	1030	103	80-120	
Magnesium	ug/L	10000	9790	98	80-120	
Manganese	ug/L	1000	976	98	80-120	
Molybdenum	ug/L	1000	1070	107	80-120	
Potassium	ug/L	10000	9890	99	80-120	
Sodium	ug/L	10000	10000	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845132 3845133

Parameter	Units	50399278004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	<100	1000	1000	987	1030	97	101	75-125	4	20	
Cadmium	ug/L	<2.0	1000	1000	980	982	98	98	75-125	0	20	
Calcium	ug/L	54200	10000	10000	61500	62800	73	86	75-125	2	20	P6
Chromium	ug/L	<10.0	1000	1000	968	1000	97	100	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845132 3845133

Parameter	Units	50399278004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	<100	10000	10000	9840	10100	98	101	75-125	3	20	
Lead	ug/L	<10.0	1000	1000	917	921	92	92	75-125	0	20	
Lithium	ug/L	<20.0	1000	1000	976	981	97	98	75-125	1	20	
Magnesium	ug/L	17000	10000	10000	25500	26000	86	91	75-125	2	20	
Manganese	ug/L	69.1	1000	1000	998	1030	93	96	75-125	3	20	
Molybdenum	ug/L	<10.0	1000	1000	1040	1050	104	105	75-125	0	20	
Potassium	ug/L	91700	10000	10000	99400	99300	78	77	75-125	0	20	
Sodium	ug/L	44600	10000	10000	53000	52900	84	82	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840847
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3848594 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/30/25 22:44	

LABORATORY CONTROL SAMPLE: 3848595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848596 3848597

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	1020	101	102	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848598 3848599

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	988	1000	98	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840529
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3846676 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/28/25 00:37	
Arsenic	ug/L	ND	1.0	0.080	04/28/25 00:37	
Barium	ug/L	ND	1.0	0.11	04/28/25 00:37	
Beryllium	ug/L	ND	0.20	0.026	04/28/25 00:37	
Cobalt	ug/L	ND	1.0	0.045	04/28/25 00:37	
Selenium	ug/L	ND	1.0	0.26	04/28/25 00:37	
Thallium	ug/L	ND	1.0	0.052	04/28/25 00:37	

LABORATORY CONTROL SAMPLE: 3846677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.7	104	80-120	
Arsenic	ug/L	40	38.4	96	80-120	
Barium	ug/L	40	38.5	96	80-120	
Beryllium	ug/L	40	37.0	93	80-120	
Cobalt	ug/L	40	41.8	105	80-120	
Selenium	ug/L	40	38.6	96	80-120	
Thallium	ug/L	40	42.2	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846681 3846682

Parameter	Units	50399352001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.8	42.8	107	107	75-125	0	20	
Arsenic	ug/L	1.8	40	40	40.2	39.7	96	95	75-125	1	20	
Barium	ug/L	59.3	40	40	103	101	109	105	75-125	1	20	
Beryllium	ug/L	ND	40	40	37.6	38.0	94	95	75-125	1	20	
Cobalt	ug/L	ND	40	40	39.4	39.6	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	38.1	38.2	95	95	75-125	0	20	
Thallium	ug/L	ND	40	40	43.3	43.1	108	108	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 841829 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3853174 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/05/25 15:04	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/05/25 15:04	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/05/25 15:04	

LABORATORY CONTROL SAMPLE: 3853175

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.0	96	90-110	

SAMPLE DUPLICATE: 3853176

Parameter	Units	50399797049 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	577	575	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	577	575	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3853177

Parameter	Units	50399508005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	373	376	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	373	376	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840256
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3845273 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/24/25 11:02	

LABORATORY CONTROL SAMPLE: 3845274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	285	95	80-120	

SAMPLE DUPLICATE: 3845275

Parameter	Units	50399375001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	314	320	2	10	

SAMPLE DUPLICATE: 3845276

Parameter	Units	50399375002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	425	414	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840714
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

SAMPLE DUPLICATE: 3848136

Parameter	Units	50399366001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	7.9	0	2	H3

SAMPLE DUPLICATE: 3848153

Parameter	Units	50399853004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.5	6.2	5	2	H3,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840436
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3845944 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/24/25 22:15	

LABORATORY CONTROL SAMPLE: 3845945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845946 3845947

Parameter	Units	50399508005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	100	100	90-110	0	20	

MATRIX SPIKE SAMPLE: 3845948

Parameter	Units	50399415003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1	2.2	104	90-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 840410
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3845737 Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	04/25/25 08:18	

LABORATORY CONTROL SAMPLE: 3845738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3845739 3845740

Parameter	Units	50399415001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	3.0	10	10	12.5	12.6	95	96	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-17D **Lab ID: 50399415001** Collected: 04/23/25 12:00 Received: 04/23/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.774 ± 0.863 (1.41) C:NA T:89%**	pCi/L	05/15/25 15:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.40 ± 0.538 (0.841) C:87% T:85%**	pCi/L	05/15/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.17 ± 1.40 (2.25)**	pCi/L	05/19/25 10:43	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-17I **Lab ID: 50399415002** Collected: 04/23/25 14:30 Received: 04/23/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0557 ± 0.567 (1.08) C:NA T:91%**	pCi/L	05/15/25 15:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.313 ± 0.404 (0.861) C:88% T:90%**	pCi/L	05/15/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.369 ± 0.971 (1.94)**	pCi/L	05/19/25 10:43	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Sample: MW-23D **Lab ID: 50399415003** Collected: 04/23/25 15:30 Received: 04/23/25 17:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.306 ± 0.857 (1.67) C:NA T:93%**	pCi/L	05/15/25 15:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.992 ± 0.474 (0.824) C:85% T:87%**	pCi/L	05/15/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.992 ± 1.33 (2.49)**	pCi/L	05/19/25 10:43	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 742301
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3612238
Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.845 ± 0.419 (0.734) C:80% T:87%	pCi/L	05/15/25 11:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

QC Batch: 742300
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399415001, 50399415002, 50399415003

METHOD BLANK: 3612236
Matrix: Water
Associated Lab Samples: 50399415001, 50399415002, 50399415003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.369 ± 0.316 (0.428) C:NA T:93%	pCi/L	05/15/25 15:14	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399415

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399415001	**MW-17D**	EPA 9056	840466		
50399415002	**MW-17I**	EPA 9056	840466		
50399415003	**MW-23D**	EPA 9056	840466		
50399415001	**MW-17D**	EPA 3010	840237	EPA 6010	840644
50399415002	**MW-17I**	EPA 3010	840237	EPA 6010	840644
50399415003	**MW-23D**	EPA 3010	840237	EPA 6010	840644
50399415001	**MW-17D**	EPA 3010	840847	EPA 6010	841289
50399415002	**MW-17I**	EPA 3010	840847	EPA 6010	841289
50399415003	**MW-23D**	EPA 3010	840847	EPA 6010	841289
50399415001	**MW-17D**	EPA 200.2	840529	EPA 6020	840681
50399415002	**MW-17I**	EPA 200.2	840529	EPA 6020	840681
50399415003	**MW-23D**	EPA 200.2	840529	EPA 6020	840681
50399415001	**MW-17D**	EPA 7470	841367	EPA 7470	841808
50399415002	**MW-17I**	EPA 7470	841367	EPA 7470	841808
50399415003	**MW-23D**	EPA 7470	841367	EPA 7470	841808
50399415001	**MW-17D**	EPA 903.1	742300		
50399415002	**MW-17I**	EPA 903.1	742300		
50399415003	**MW-23D**	EPA 903.1	742300		
50399415001	**MW-17D**	EPA 904.0	742301		
50399415002	**MW-17I**	EPA 904.0	742301		
50399415003	**MW-23D**	EPA 904.0	742301		
50399415001	**MW-17D**	Total Radium Calculation	746494		
50399415002	**MW-17I**	Total Radium Calculation	746494		
50399415003	**MW-23D**	Total Radium Calculation	746494		
50399415001	**MW-17D**	SM 2320B	841829		
50399415002	**MW-17I**	SM 2320B	841829		
50399415003	**MW-23D**	SM 2320B	841829		
50399415001	**MW-17D**	SM 2540C	840256		
50399415002	**MW-17I**	SM 2540C	840256		
50399415003	**MW-23D**	SM 2540C	840256		
50399415001	**MW-17D**	SM 4500-H+B	840714		
50399415002	**MW-17I**	SM 4500-H+B	840714		
50399415003	**MW-23D**	SM 4500-H+B	840714		
50399415001	**MW-17D**	EPA 353.2	840436		
50399415002	**MW-17I**	EPA 353.2	840436		
50399415003	**MW-23D**	EPA 353.2	840436		
50399415001	**MW-17D**	SM 5310C	840410		
50399415002	**MW-17I**	SM 5310C	840410		
50399415003	**MW-23D**	SM 5310C	840410		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50399415

50399415

Label Here

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW17D	GW	G	4/23/25	1200			9			X	X	X	X	X	X	X	X	X	
MW17I	"	"	"	1430			"			"	"	"	"	"	"	"	"	"	
MW-23D	"	"	"	1530			"			"	"	"	"	"	"	"	"	"	

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Amanda Gaines
AcctNum / Client ID:
Table #:
Profile / Template: 10498/69
Prelog / Bottle Ord. ID: EZ 3239339

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By: (Printed Name) Mohammed Buclamit
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	B	-.5	4.1	3.6	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	4-23-25 1730	Pace	4/23/25 17:30	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 5 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/23/25 17:33 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A (B) C D E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 4.1/3.6

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—
Short Hold Time Analysis (48 hours or less)? **Analysis:** 353.2 Nitrate	—	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		—
Custody Signatures Present?	—	
Containers Intact?:	—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: (HNO3 (<2)) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	—		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A —
Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Trip Blank Present?		—	
Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			

Comments:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																														HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1	2	1	1									WT	✓	✓		
2												↓				↓	↓	↓	↓	↓									↓	↓	↓			
3												↓				↓	↓	↓	↓	↓									↓	↓	↓			
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Dear Mr. Breting:

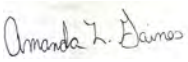
Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis
7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399546001	**MW-24S**	Water	04/24/25 11:45	04/24/25 16:50
50399546002	**MW-24I**	Water	04/24/25 15:00	04/24/25 16:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399546001	**MW-24S**	EPA 9056	GLT	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399546002	**MW-24I**	EPA 9056	GLT	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399546001	**MW-24S**					
EPA 9056	Chloride	124	mg/L	2.5	04/26/25 10:28	
EPA 9056	Fluoride	0.34	mg/L	0.10	04/26/25 10:11	
EPA 9056	Sulfate	82.5	mg/L	2.5	04/26/25 10:28	
EPA 6010	Calcium	70400	ug/L	1000	04/25/25 15:42	
EPA 6010	Magnesium	24500	ug/L	1000	04/25/25 15:42	
EPA 6010	Manganese	22.8	ug/L	10.0	04/25/25 15:42	
EPA 6010	Molybdenum	27.0	ug/L	10.0	04/25/25 15:42	
EPA 6010	Potassium	4320	ug/L	1000	04/25/25 15:42	
EPA 6010	Sodium	89200	ug/L	1000	04/25/25 15:42	
EPA 6010	Molybdenum, Dissolved	27.6	ug/L	10.0	04/30/25 22:55	
EPA 6020	Barium	74.8	ug/L	1.0	04/30/25 02:46	
EPA 6020	Selenium	4.4	ug/L	1.0	04/30/25 02:46	
EPA 903.1	Radium-226	0.000 ± 0.750 (1.40) C:NA T:92%	pCi/L		05/16/25 14:21	
EPA 904.0	Radium-228	1.51 ± 0.531 (0.730) C:79% T:83%	pCi/L		05/19/25 12:24	
Total Radium Calculation	Total Radium	1.51 ± 1.28 (2.13)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	205	mg/L	10.0	05/07/25 11:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	205	mg/L	10.0	05/07/25 11:29	
SM 2540C	Total Dissolved Solids	542	mg/L	10.0	04/29/25 09:22	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/28/25 11:09	H3
EPA 353.2	Nitrogen, Nitrate	3.2	mg/L	0.10	04/25/25 13:41	
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	05/03/25 02:26	
50399546002	**MW-24I**					
EPA 9056	Chloride	171	mg/L	2.5	04/26/25 11:02	
EPA 9056	Fluoride	0.28	mg/L	0.10	04/26/25 10:45	
EPA 9056	Sulfate	147	mg/L	2.5	04/26/25 11:02	
EPA 6010	Boron	177	ug/L	100	04/25/25 15:44	
EPA 6010	Calcium	91600	ug/L	1000	04/25/25 15:44	
EPA 6010	Iron	748	ug/L	100	04/25/25 15:44	
EPA 6010	Magnesium	28000	ug/L	1000	04/25/25 15:44	
EPA 6010	Manganese	209	ug/L	10.0	04/25/25 15:44	
EPA 6010	Molybdenum	58.7	ug/L	10.0	04/25/25 15:44	
EPA 6010	Potassium	6450	ug/L	1000	04/25/25 15:44	
EPA 6010	Sodium	112000	ug/L	1000	04/25/25 15:44	
EPA 6010	Molybdenum, Dissolved	61.0	ug/L	10.0	04/30/25 22:57	
EPA 6020	Arsenic	2.1	ug/L	1.0	04/30/25 02:49	
EPA 6020	Barium	115	ug/L	1.0	04/30/25 02:49	
EPA 903.1	Radium-226	0.639 ± 0.647 (1.04) C:NA T:93%	pCi/L		05/16/25 14:21	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399546002	**MW-24I**					
EPA 904.0	Radium-228	1.38 ± 0.597 (1.00) C:82% T:84%	pCi/L		05/19/25 12:21	
Total Radium Calculation	Total Radium	2.02 ± 1.24 (2.04)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	229	mg/L	10.0	05/07/25 11:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	229	mg/L	10.0	05/07/25 11:29	
SM 2540C	Total Dissolved Solids	705	mg/L	10.0	04/29/25 09:23	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/28/25 11:10	H3
SM 5310C	Dissolved Organic Carbon	2.4	mg/L	1.0	05/03/25 02:46	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Sample: MW-24S **Lab ID: 50399546001** Collected: 04/24/25 11:45 Received: 04/24/25 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**124**	mg/L	2.5	1.3	10		04/26/25 10:28	16887-00-6	
Fluoride	**0.34**	mg/L	0.10	0.016	1		04/26/25 10:11	16984-48-8	
Sulfate	**82.5**	mg/L	2.5	1.9	10		04/26/25 10:28	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/25/25 08:05	04/25/25 15:42	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/25/25 08:05	04/25/25 15:42	7440-43-9	
Calcium	**70400**	ug/L	1000	83.9	1	04/25/25 08:05	04/25/25 15:42	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/25/25 08:05	04/25/25 15:42	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/25/25 08:05	04/25/25 15:42	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/25/25 08:05	04/25/25 15:42	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/25/25 08:05	04/25/25 15:42	7439-93-2	
Magnesium	**24500**	ug/L	1000	53.7	1	04/25/25 08:05	04/25/25 15:42	7439-95-4	
Manganese	**22.8**	ug/L	10.0	0.77	1	04/25/25 08:05	04/25/25 15:42	7439-96-5	
Molybdenum	**27.0**	ug/L	10.0	1.4	1	04/25/25 08:05	04/25/25 15:42	7439-98-7	
Potassium	**4320**	ug/L	1000	113	1	04/25/25 08:05	04/25/25 15:42	7440-09-7	
Sodium	**89200**	ug/L	1000	95.0	1	04/25/25 08:05	04/25/25 15:42	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**27.6**	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 22:55	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/27/25 15:19	04/30/25 02:46	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/27/25 15:19	04/30/25 02:46	7440-38-2	
Barium	**74.8**	ug/L	1.0	0.11	1	04/27/25 15:19	04/30/25 02:46	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/27/25 15:19	04/30/25 13:02	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/27/25 15:19	04/30/25 02:46	7440-48-4	
Selenium	**4.4**	ug/L	1.0	0.26	1	04/27/25 15:19	04/30/25 02:46	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/27/25 15:19	04/30/25 02:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:26	05/05/25 19:20	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**205**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**205**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/25 11:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Sample: MW-24S **Lab ID: 50399546001** Collected: 04/24/25 11:45 Received: 04/24/25 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**542**	mg/L	10.0	10.0	1		04/29/25 09:22		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/28/25 11:09		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.2**	mg/L	0.10	0.013	1		04/25/25 13:41	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.30	1		05/03/25 02:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Sample: MW-24I **Lab ID: 50399546002** Collected: 04/24/25 15:00 Received: 04/24/25 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**171**	mg/L	2.5	1.3	10		04/26/25 11:02	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.016	1		04/26/25 10:45	16984-48-8	
Sulfate	**147**	mg/L	2.5	1.9	10		04/26/25 11:02	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**177**	ug/L	100	5.6	1	04/25/25 08:05	04/25/25 15:44	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/25/25 08:05	04/25/25 15:44	7440-43-9	
Calcium	**91600**	ug/L	1000	83.9	1	04/25/25 08:05	04/25/25 15:44	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/25/25 08:05	04/25/25 15:44	7440-47-3	
Iron	**748**	ug/L	100	41.0	1	04/25/25 08:05	04/25/25 15:44	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/25/25 08:05	04/25/25 15:44	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/25/25 08:05	04/25/25 15:44	7439-93-2	
Magnesium	**28000**	ug/L	1000	53.7	1	04/25/25 08:05	04/25/25 15:44	7439-95-4	
Manganese	**209**	ug/L	10.0	0.77	1	04/25/25 08:05	04/25/25 15:44	7439-96-5	
Molybdenum	**58.7**	ug/L	10.0	1.4	1	04/25/25 08:05	04/25/25 15:44	7439-98-7	
Potassium	**6450**	ug/L	1000	113	1	04/25/25 08:05	04/25/25 15:44	7440-09-7	
Sodium	**112000**	ug/L	1000	95.0	1	04/25/25 08:05	04/25/25 15:44	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**61.0**	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 22:57	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/27/25 15:19	04/30/25 02:49	7440-36-0	
Arsenic	**2.1**	ug/L	1.0	0.080	1	04/27/25 15:19	04/30/25 02:49	7440-38-2	
Barium	**115**	ug/L	1.0	0.11	1	04/27/25 15:19	04/30/25 02:49	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/27/25 15:19	04/30/25 13:05	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/27/25 15:19	04/30/25 02:49	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/27/25 15:19	04/30/25 02:49	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/27/25 15:19	04/30/25 02:49	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:26	05/05/25 19:22	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**229**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**229**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/25 11:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Sample: MW-24I **Lab ID: 50399546002** Collected: 04/24/25 15:00 Received: 04/24/25 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**705**	mg/L	10.0	10.0	1		04/29/25 09:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/28/25 11:10		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/25/25 14:30	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.4**	mg/L	1.0	0.30	1		05/03/25 02:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 840507
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3846593 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/26/25 11:52	
Fluoride	mg/L	ND	0.10	0.016	04/26/25 11:52	
Sulfate	mg/L	ND	0.25	0.19	04/26/25 11:52	

LABORATORY CONTROL SAMPLE: 3846594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	91	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.7	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846595 3846596

Parameter	Units	50399557003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	64.4	25	25	85.6	85.5	85	84	80-120	0	15	
Fluoride	mg/L	0.10	1	1	1.1	1.1	98	98	80-120	0	15	
Sulfate	mg/L	180	50	50	222	221	83	81	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 841654
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3852383 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/05/25 18:50	

LABORATORY CONTROL SAMPLE: 3852384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.7	115	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3852385 3852386

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.9	101	99	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 840441
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3846034 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/25/25 15:09	
Cadmium	ug/L	ND	2.0	0.46	04/25/25 15:09	
Calcium	ug/L	ND	1000	83.9	04/25/25 15:09	
Chromium	ug/L	ND	10.0	0.96	04/25/25 15:09	
Iron	ug/L	ND	100	41.0	04/25/25 15:09	
Lead	ug/L	ND	10.0	2.0	04/25/25 15:09	
Lithium	ug/L	ND	20.0	3.8	04/25/25 15:09	
Magnesium	ug/L	ND	1000	53.7	04/25/25 15:09	
Manganese	ug/L	ND	10.0	0.77	04/25/25 15:09	
Molybdenum	ug/L	ND	10.0	1.4	04/25/25 15:09	
Potassium	ug/L	ND	1000	113	04/25/25 15:09	
Sodium	ug/L	ND	1000	95.0	04/25/25 15:09	

LABORATORY CONTROL SAMPLE: 3846035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	945	94	80-120	
Cadmium	ug/L	1000	938	94	80-120	
Calcium	ug/L	10000	9700	97	80-120	
Chromium	ug/L	1000	944	94	80-120	
Iron	ug/L	10000	9510	95	80-120	
Lead	ug/L	1000	916	92	80-120	
Lithium	ug/L	1000	929	93	80-120	
Magnesium	ug/L	10000	9600	96	80-120	
Manganese	ug/L	1000	951	95	80-120	
Molybdenum	ug/L	1000	955	96	80-120	
Potassium	ug/L	10000	9210	92	80-120	
Sodium	ug/L	10000	9580	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846036 3846037

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	982	996	95	96	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	923	929	92	93	75-125	1	20	
Calcium	ug/L	85100	10000	10000	92500	92700	74	75	75-125	0	20	P6
Chromium	ug/L	ND	1000	1000	916	917	92	92	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846036 3846037

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9290	9400	92	93	75-125	1	20	
Lead	ug/L	ND	1000	1000	884	884	88	88	75-125	0	20	
Lithium	ug/L	ND	1000	1000	930	928	92	92	75-125	0	20	
Magnesium	ug/L	24600	10000	10000	33100	33300	85	87	75-125	1	20	
Manganese	ug/L	37.1	1000	1000	960	972	92	93	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	950	956	95	95	75-125	1	20	
Potassium	ug/L	1470	10000	10000	10600	10600	91	91	75-125	0	20	
Sodium	ug/L	9950	10000	10000	18800	18900	89	90	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 840847
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3848594 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/30/25 22:44	

LABORATORY CONTROL SAMPLE: 3848595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848596 3848597

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	1020	101	102	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848598 3848599

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	988	1000	98	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 840667
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3847862 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/29/25 17:11	
Arsenic	ug/L	ND	1.0	0.080	04/29/25 17:11	
Barium	ug/L	ND	1.0	0.11	04/29/25 17:11	
Beryllium	ug/L	ND	0.20	0.026	04/29/25 17:11	
Cobalt	ug/L	ND	1.0	0.045	04/29/25 17:11	
Selenium	ug/L	ND	1.0	0.26	04/29/25 17:11	
Thallium	ug/L	ND	1.0	0.052	04/29/25 17:11	

LABORATORY CONTROL SAMPLE: 3847863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.6	102	80-120	
Arsenic	ug/L	40	38.0	95	80-120	
Barium	ug/L	40	39.1	98	80-120	
Beryllium	ug/L	40	38.7	97	80-120	
Cobalt	ug/L	40	41.0	102	80-120	
Selenium	ug/L	40	38.5	96	80-120	
Thallium	ug/L	40	40.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3847864 3847865

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	41.8	41.4	104	103	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.5	38.4	96	96	75-125	0	20	
Barium	ug/L	30.4	40	40	71.3	70.9	102	101	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.7	39.5	99	99	75-125	0	20	
Cobalt	ug/L	ND	40	40	39.6	39.6	98	98	75-125	0	20	
Selenium	ug/L	9.5	40	40	48.4	48.2	97	97	75-125	0	20	
Thallium	ug/L	ND	40	40	42.2	42.2	105	105	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 842215
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3854822 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/07/25 11:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/25 11:29	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/25 11:29	

LABORATORY CONTROL SAMPLE: 3854823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	90-110	

SAMPLE DUPLICATE: 3854824

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	257	255	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	257	255	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3854825

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	213	212	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	213	212	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 840902
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3848759 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/29/25 08:59	

LABORATORY CONTROL SAMPLE: 3848760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 3848761

Parameter	Units	50399759005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	176	179	2	10	

SAMPLE DUPLICATE: 3848762

Parameter	Units	50399759006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	137	141	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 840715
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

SAMPLE DUPLICATE: 3848138

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.8	3	2	H3,R1

SAMPLE DUPLICATE: 3848139

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.7	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 840522
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3846638 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/25/25 13:26	

LABORATORY CONTROL SAMPLE: 3846639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846640 3846641

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	7.1	5	5	12.2	12.3	103	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846642 3846643

Parameter	Units	50399517005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.33	1	1	1.4	1.4	104	104	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 841467
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3851432 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	05/03/25 01:34	

LABORATORY CONTROL SAMPLE: 3851433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851434 3851435

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.1	10.0	98	98	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851436 3851437

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.1	10	10	10.9	11.0	98	99	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851438 3851439

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.3	96	96	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Sample: MW-24S **Lab ID: 50399546001** Collected: 04/24/25 11:45 Received: 04/24/25 16:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.750 (1.40) C:NA T:92%**	pCi/L	05/16/25 14:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.51 ± 0.531 (0.730) C:79% T:83%**	pCi/L	05/19/25 12:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.51 ± 1.28 (2.13)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Sample: MW-24I **Lab ID: 50399546002** Collected: 04/24/25 15:00 Received: 04/24/25 16:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.639 ± 0.647 (1.04) C:NA T:93%**	pCi/L	05/16/25 14:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.38 ± 0.597 (1.00) C:82% T:84%**	pCi/L	05/19/25 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.02 ± 1.24 (2.04)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 743036
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3615974 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.132 ± 0.310 (0.575) C:NA T:95%	pCi/L	05/16/25 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

QC Batch: 743038
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399546001, 50399546002

METHOD BLANK: 3615984 Matrix: Water
Associated Lab Samples: 50399546001, 50399546002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.586 ± 0.383 (0.723) C:81% T:89%	pCi/L	05/19/25 12:24	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399546

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399546001	**MW-24S**	EPA 9056	840507		
50399546002	**MW-24I**	EPA 9056	840507		
50399546001	**MW-24S**	EPA 3010	840441	EPA 6010	840605
50399546002	**MW-24I**	EPA 3010	840441	EPA 6010	840605
50399546001	**MW-24S**	EPA 3010	840847	EPA 6010	841289
50399546002	**MW-24I**	EPA 3010	840847	EPA 6010	841289
50399546001	**MW-24S**	EPA 200.2	840667	EPA 6020	840695
50399546002	**MW-24I**	EPA 200.2	840667	EPA 6020	840695
50399546001	**MW-24S**	EPA 7470	841654	EPA 7470	841976
50399546002	**MW-24I**	EPA 7470	841654	EPA 7470	841976
50399546001	**MW-24S**	EPA 903.1	743036		
50399546002	**MW-24I**	EPA 903.1	743036		
50399546001	**MW-24S**	EPA 904.0	743038		
50399546002	**MW-24I**	EPA 904.0	743038		
50399546001	**MW-24S**	Total Radium Calculation	746857		
50399546002	**MW-24I**	Total Radium Calculation	746857		
50399546001	**MW-24S**	SM 2320B	842215		
50399546002	**MW-24I**	SM 2320B	842215		
50399546001	**MW-24S**	SM 2540C	840902		
50399546002	**MW-24I**	SM 2540C	840902		
50399546001	**MW-24S**	SM 4500-H+B	840715		
50399546002	**MW-24I**	SM 4500-H+B	840715		
50399546001	**MW-24S**	EPA 353.2	840522		
50399546002	**MW-24I**	EPA 353.2	840522		
50399546001	**MW-24S**	SM 5310C	841467		
50399546002	**MW-24I**	SM 5310C	841467		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50399546

50399546

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW-24S	GW	G	4/24/25	1145			9			8	X	X	X	X	X	X	X	X	
MW-24I	↓	↓	↓	1500			↓			X	X	X	X	X	X	X	X	X	

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**
AcctNum / Client ID:
Table #:
Profile / Template: **10498/69**
Prelog / Bottle Ord. ID: **EZ 3239337**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By: (Printed Name) Mykah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	C	-0.1	1.5	1.2	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	4/24/25 1650		4-24-25 1650	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TRH 4-24-25 1814

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 1.3 / 1.2

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes (No) **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis:		✓
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** ~~HNO3 (<2)~~ H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
			SBS																														
			DI																														
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit				Red	Yellow	Green	Black
																														HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1	2	12	1									WT	✓	✓		
2												2				2	1	2	12	1									WT	✓	✓		
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Dear Mr. Breting:

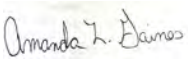
Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399547001	**MW-17S**	Water	04/24/25 10:45	04/24/25 16:15
50399547002	**MW-23S**	Water	04/24/25 14:26	04/24/25 16:15
50399547003	**MW-23I**	Water	04/24/25 11:17	04/24/25 16:15
50399547004	**MW-23I MS**	Water	04/24/25 11:17	04/24/25 16:15
50399547005	**MW-23I MSD**	Water	04/24/25 11:17	04/24/25 16:15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399547001	**MW-17S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399547002	**MW-23S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399547003	**MW-23I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	CAW	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399547004	**MW-23I MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50399547005	**MW-23I MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399547001	**MW-17S**					
EPA 9056	Chloride	36.5	mg/L	2.5	04/28/25 18:08	
EPA 9056	Fluoride	0.16	mg/L	0.10	04/28/25 17:51	
EPA 9056	Sulfate	36.7	mg/L	0.25	04/28/25 17:51	
EPA 6010	Boron	471	ug/L	100	04/25/25 15:46	
EPA 6010	Calcium	108000	ug/L	1000	04/25/25 15:46	
EPA 6010	Magnesium	22500	ug/L	1000	04/25/25 15:46	
EPA 6010	Molybdenum	20.9	ug/L	10.0	04/25/25 15:46	
EPA 6010	Potassium	3630	ug/L	1000	04/25/25 15:46	
EPA 6010	Sodium	24500	ug/L	1000	04/25/25 15:46	
EPA 6010	Molybdenum, Dissolved	21.6	ug/L	10.0	04/30/25 23:00	
EPA 6020	Barium	119	ug/L	1.0	04/30/25 03:00	
EPA 6020	Selenium	1.2	ug/L	1.0	04/30/25 03:00	
EPA 903.1	Radium-226	-0.233 ± 0.722 (1.43) C:NA T:85%	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	1.08 ± 0.438 (0.698) C:100% T:83%	pCi/L		05/19/25 12:25	
Total Radium Calculation	Total Radium	1.08 ± 1.16 (2.13)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	311	mg/L	10.0	05/07/25 11:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	311	mg/L	10.0	05/07/25 11:29	
SM 2540C	Total Dissolved Solids	443	mg/L	10.0	04/29/25 09:23	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	04/28/25 11:11	H3
EPA 353.2	Nitrogen, Nitrate	5.4	mg/L	0.20	04/25/25 15:30	
50399547002	**MW-23S**					
EPA 9056	Chloride	4.2	mg/L	0.25	04/28/25 18:25	
EPA 9056	Sulfate	8.1	mg/L	0.25	04/28/25 18:25	
EPA 6010	Calcium	106000	ug/L	1000	04/25/25 15:49	
EPA 6010	Magnesium	30700	ug/L	1000	04/25/25 15:49	
EPA 6010	Sodium	3780	ug/L	1000	04/25/25 15:49	
EPA 6020	Barium	42.8	ug/L	1.0	04/30/25 03:04	
EPA 903.1	Radium-226	0.602 ± 0.582 (0.904) C:NA T:93%	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	0.879 ± 0.433 (0.758) C:88% T:86%	pCi/L		05/19/25 12:25	
Total Radium Calculation	Total Radium	1.48 ± 1.02 (1.66)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	339	mg/L	10.0	05/07/25 11:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	339	mg/L	10.0	05/07/25 11:29	
SM 2540C	Total Dissolved Solids	384	mg/L	10.0	04/29/25 09:24	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	04/28/25 11:12	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399547002	**MW-23S**					
EPA 353.2	Nitrogen, Nitrate	10.9	mg/L	0.50	04/25/25 16:31	
50399547003	**MW-23I**					
EPA 9056	Chloride	13.5	mg/L	0.25	04/28/25 19:15	
EPA 9056	Sulfate	31.0	mg/L	0.25	04/28/25 19:15	
EPA 6010	Calcium	85100	ug/L	1000	04/25/25 15:51	
EPA 6010	Magnesium	24600	ug/L	1000	04/25/25 15:51	
EPA 6010	Manganese	37.1	ug/L	10.0	04/25/25 15:51	
EPA 6010	Potassium	1470	ug/L	1000	04/25/25 15:51	
EPA 6010	Sodium	9950	ug/L	1000	04/25/25 15:51	
EPA 6020	Barium	30.4	ug/L	1.0	04/30/25 03:15	
EPA 6020	Selenium	9.5	ug/L	1.0	04/30/25 03:15	
EPA 903.1	Radium-226	0.0449 ± 0.520 (0.982) C:NA T:92%	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	1.12 ± 0.494 (0.816) C:83% T:82%	pCi/L		05/19/25 12:25	
Total Radium Calculation	Total Radium	1.16 ± 1.01 (1.80)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	257	mg/L	10.0	05/07/25 11:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	257	mg/L	10.0	05/07/25 11:29	
SM 2540C	Total Dissolved Solids	335	mg/L	10.0	04/29/25 09:28	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/28/25 11:13	H3
EPA 353.2	Nitrogen, Nitrate	7.1	mg/L	0.50	04/25/25 15:31	
50399547004	**MW-23I MS**					
EPA 903.1	Radium-226	94.10 %REC ± NA (NA) C:NA T:NA	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	104.75 %REC ± NA (NA) C:NA T:NA	pCi/L		05/19/25 12:25	
50399547005	**MW-23I MSD**					
EPA 903.1	Radium-226	112.40 %REC 17.72RPD ± NA (NA) C:NA T:NA	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	84.65 %REC 21.23RPD ± NA (NA) C:NA T:NA	pCi/L		05/19/25 15:53	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-17S **Lab ID: 50399547001** Collected: 04/24/25 10:45 Received: 04/24/25 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**36.5**	mg/L	2.5	1.3	10		04/28/25 18:08	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.016	1		04/28/25 17:51	16984-48-8	
Sulfate	**36.7**	mg/L	0.25	0.19	1		04/28/25 17:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**471**	ug/L	100	5.6	1	04/25/25 08:05	04/25/25 15:46	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/25/25 08:05	04/25/25 15:46	7440-43-9	
Calcium	**108000**	ug/L	1000	83.9	1	04/25/25 08:05	04/25/25 15:46	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/25/25 08:05	04/25/25 15:46	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/25/25 08:05	04/25/25 15:46	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/25/25 08:05	04/25/25 15:46	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/25/25 08:05	04/25/25 15:46	7439-93-2	
Magnesium	**22500**	ug/L	1000	53.7	1	04/25/25 08:05	04/25/25 15:46	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/25/25 08:05	04/25/25 15:46	7439-96-5	
Molybdenum	**20.9**	ug/L	10.0	1.4	1	04/25/25 08:05	04/25/25 15:46	7439-98-7	
Potassium	**3630**	ug/L	1000	113	1	04/25/25 08:05	04/25/25 15:46	7440-09-7	
Sodium	**24500**	ug/L	1000	95.0	1	04/25/25 08:05	04/25/25 15:46	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**21.6**	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 23:00	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/27/25 15:19	04/30/25 03:00	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/27/25 15:19	04/30/25 03:00	7440-38-2	
Barium	**119**	ug/L	1.0	0.11	1	04/27/25 15:19	04/30/25 03:00	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/27/25 15:19	04/30/25 13:16	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/27/25 15:19	04/30/25 03:00	7440-48-4	
Selenium	**1.2**	ug/L	1.0	0.26	1	04/27/25 15:19	04/30/25 03:00	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/27/25 15:19	04/30/25 03:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:26	05/05/25 19:24	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**311**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**311**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/25 11:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-17S **Lab ID: 50399547001** Collected: 04/24/25 10:45 Received: 04/24/25 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**443**	mg/L	10.0	10.0	1		04/29/25 09:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/28/25 11:11		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**5.4**	mg/L	0.20	0.026	2		04/25/25 15:30	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/03/25 03:12		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23S **Lab ID: 50399547002** Collected: 04/24/25 14:26 Received: 04/24/25 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**4.2**	mg/L	0.25	0.13	1		04/28/25 18:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/28/25 18:25	16984-48-8	
Sulfate	**8.1**	mg/L	0.25	0.19	1		04/28/25 18:25	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/25/25 08:05	04/25/25 15:49	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/25/25 08:05	04/25/25 15:49	7440-43-9	
Calcium	**106000**	ug/L	1000	83.9	1	04/25/25 08:05	04/25/25 15:49	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/25/25 08:05	04/25/25 15:49	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/25/25 08:05	04/25/25 15:49	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/25/25 08:05	04/25/25 15:49	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/25/25 08:05	04/25/25 15:49	7439-93-2	
Magnesium	**30700**	ug/L	1000	53.7	1	04/25/25 08:05	04/25/25 15:49	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/25/25 08:05	04/25/25 15:49	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/25/25 08:05	04/25/25 15:49	7439-98-7	
Potassium	ND	ug/L	1000	113	1	04/25/25 08:05	04/25/25 15:49	7440-09-7	
Sodium	**3780**	ug/L	1000	95.0	1	04/25/25 08:05	04/25/25 15:49	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 23:02	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/27/25 15:19	04/30/25 03:04	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/27/25 15:19	04/30/25 03:04	7440-38-2	
Barium	**42.8**	ug/L	1.0	0.11	1	04/27/25 15:19	04/30/25 03:04	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/27/25 15:19	04/30/25 13:20	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/27/25 15:19	04/30/25 03:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/27/25 15:19	04/30/25 03:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/27/25 15:19	04/30/25 03:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:26	05/05/25 19:27	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**339**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**339**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/25 11:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23S **Lab ID: 50399547002** Collected: 04/24/25 14:26 Received: 04/24/25 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**384**	mg/L	10.0	10.0	1		04/29/25 09:24		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		04/28/25 11:12		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**10.9**	mg/L	0.50	0.065	5		04/25/25 16:31	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/03/25 04:22		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23I **Lab ID: 50399547003** Collected: 04/24/25 11:17 Received: 04/24/25 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**13.5**	mg/L	0.25	0.13	1		04/28/25 19:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/28/25 19:15	16984-48-8	
Sulfate	**31.0**	mg/L	0.25	0.19	1		04/28/25 19:15	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/25/25 08:05	04/25/25 15:51	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/25/25 08:05	04/25/25 15:51	7440-43-9	
Calcium	**85100**	ug/L	1000	83.9	1	04/25/25 08:05	04/25/25 15:51	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/25/25 08:05	04/25/25 15:51	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/25/25 08:05	04/25/25 15:51	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/25/25 08:05	04/25/25 15:51	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/25/25 08:05	04/25/25 15:51	7439-93-2	
Magnesium	**24600**	ug/L	1000	53.7	1	04/25/25 08:05	04/25/25 15:51	7439-95-4	
Manganese	**37.1**	ug/L	10.0	0.77	1	04/25/25 08:05	04/25/25 15:51	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/25/25 08:05	04/25/25 15:51	7439-98-7	
Potassium	**1470**	ug/L	1000	113	1	04/25/25 08:05	04/25/25 15:51	7440-09-7	
Sodium	**9950**	ug/L	1000	95.0	1	04/25/25 08:05	04/25/25 15:51	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 23:04	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/27/25 15:19	04/30/25 03:15	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/27/25 15:19	04/30/25 03:15	7440-38-2	
Barium	**30.4**	ug/L	1.0	0.11	1	04/27/25 15:19	04/30/25 03:15	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/27/25 15:19	04/30/25 13:24	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/27/25 15:19	04/30/25 03:15	7440-48-4	
Selenium	**9.5**	ug/L	1.0	0.26	1	04/27/25 15:19	04/30/25 03:15	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/27/25 15:19	04/30/25 03:15	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:26	05/05/25 19:29	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**257**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**257**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/25 11:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23I **Lab ID: 50399547003** Collected: 04/24/25 11:17 Received: 04/24/25 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**335**	mg/L	10.0	10.0	1		04/29/25 09:28		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/28/25 11:13		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**7.1**	mg/L	0.50	0.065	5		04/25/25 15:31	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/03/25 04:47		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840737
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3848204 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/28/25 23:27	
Fluoride	mg/L	ND	0.10	0.016	04/28/25 23:27	
Sulfate	mg/L	ND	0.25	0.19	04/28/25 23:27	

LABORATORY CONTROL SAMPLE: 3848205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	92	80-120	
Fluoride	mg/L	1	0.98	98	80-120	
Sulfate	mg/L	5	4.7	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848206 3848207

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	13.5	2.5	2.5	15.4	15.4	75	76	80-120	0	15	M0
Fluoride	mg/L	ND	1	1	1.0	1.0	97	97	80-120	0	15	
Sulfate	mg/L	31.0	5	5	35.9	35.9	99	98	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 841654
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3852383 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/05/25 18:50	

LABORATORY CONTROL SAMPLE: 3852384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.7	115	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3852385 3852386

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.9	101	99	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840441
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3846034 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/25/25 15:09	
Cadmium	ug/L	ND	2.0	0.46	04/25/25 15:09	
Calcium	ug/L	ND	1000	83.9	04/25/25 15:09	
Chromium	ug/L	ND	10.0	0.96	04/25/25 15:09	
Iron	ug/L	ND	100	41.0	04/25/25 15:09	
Lead	ug/L	ND	10.0	2.0	04/25/25 15:09	
Lithium	ug/L	ND	20.0	3.8	04/25/25 15:09	
Magnesium	ug/L	ND	1000	53.7	04/25/25 15:09	
Manganese	ug/L	ND	10.0	0.77	04/25/25 15:09	
Molybdenum	ug/L	ND	10.0	1.4	04/25/25 15:09	
Potassium	ug/L	ND	1000	113	04/25/25 15:09	
Sodium	ug/L	ND	1000	95.0	04/25/25 15:09	

LABORATORY CONTROL SAMPLE: 3846035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	945	94	80-120	
Cadmium	ug/L	1000	938	94	80-120	
Calcium	ug/L	10000	9700	97	80-120	
Chromium	ug/L	1000	944	94	80-120	
Iron	ug/L	10000	9510	95	80-120	
Lead	ug/L	1000	916	92	80-120	
Lithium	ug/L	1000	929	93	80-120	
Magnesium	ug/L	10000	9600	96	80-120	
Manganese	ug/L	1000	951	95	80-120	
Molybdenum	ug/L	1000	955	96	80-120	
Potassium	ug/L	10000	9210	92	80-120	
Sodium	ug/L	10000	9580	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846036 3846037

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	982	996	95	96	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	923	929	92	93	75-125	1	20	
Calcium	ug/L	85100	10000	10000	92500	92700	74	75	75-125	0	20	P6
Chromium	ug/L	ND	1000	1000	916	917	92	92	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846036 3846037

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9290	9400	92	93	75-125	1	20	
Lead	ug/L	ND	1000	1000	884	884	88	88	75-125	0	20	
Lithium	ug/L	ND	1000	1000	930	928	92	92	75-125	0	20	
Magnesium	ug/L	24600	10000	10000	33100	33300	85	87	75-125	1	20	
Manganese	ug/L	37.1	1000	1000	960	972	92	93	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	950	956	95	95	75-125	1	20	
Potassium	ug/L	1470	10000	10000	10600	10600	91	91	75-125	0	20	
Sodium	ug/L	9950	10000	10000	18800	18900	89	90	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840847
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3848594 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/30/25 22:44	

LABORATORY CONTROL SAMPLE: 3848595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848596 3848597

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	1020	101	102	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848598 3848599

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	988	1000	98	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840667
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3847862 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/29/25 17:11	
Arsenic	ug/L	ND	1.0	0.080	04/29/25 17:11	
Barium	ug/L	ND	1.0	0.11	04/29/25 17:11	
Beryllium	ug/L	ND	0.20	0.026	04/29/25 17:11	
Cobalt	ug/L	ND	1.0	0.045	04/29/25 17:11	
Selenium	ug/L	ND	1.0	0.26	04/29/25 17:11	
Thallium	ug/L	ND	1.0	0.052	04/29/25 17:11	

LABORATORY CONTROL SAMPLE: 3847863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.6	102	80-120	
Arsenic	ug/L	40	38.0	95	80-120	
Barium	ug/L	40	39.1	98	80-120	
Beryllium	ug/L	40	38.7	97	80-120	
Cobalt	ug/L	40	41.0	102	80-120	
Selenium	ug/L	40	38.5	96	80-120	
Thallium	ug/L	40	40.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3847864 3847865

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	41.8	41.4	104	103	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.5	38.4	96	96	75-125	0	20	
Barium	ug/L	30.4	40	40	71.3	70.9	102	101	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.7	39.5	99	99	75-125	0	20	
Cobalt	ug/L	ND	40	40	39.6	39.6	98	98	75-125	0	20	
Selenium	ug/L	9.5	40	40	48.4	48.2	97	97	75-125	0	20	
Thallium	ug/L	ND	40	40	42.2	42.2	105	105	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 842215
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3854822 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/07/25 11:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/25 11:29	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/25 11:29	

LABORATORY CONTROL SAMPLE: 3854823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	90-110	

SAMPLE DUPLICATE: 3854824

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	257	255	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	257	255	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3854825

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	213	212	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	213	212	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840902
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002

METHOD BLANK: 3848759 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/29/25 08:59	

LABORATORY CONTROL SAMPLE: 3848760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	284	95	80-120	

SAMPLE DUPLICATE: 3848761

Parameter	Units	50399759005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	176	179	2	10	

SAMPLE DUPLICATE: 3848762

Parameter	Units	50399759006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	137	141	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840903
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547003

METHOD BLANK: 3848763 Matrix: Water
Associated Lab Samples: 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/29/25 09:27	

LABORATORY CONTROL SAMPLE: 3848764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	80-120	

SAMPLE DUPLICATE: 3848765

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	335	331	1	10	

SAMPLE DUPLICATE: 3848766

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	341	335	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840715
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

SAMPLE DUPLICATE: 3848138

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.8	3	2	H3,R1

SAMPLE DUPLICATE: 3848139

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.7	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 840522
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3846638 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/25/25 13:26	

LABORATORY CONTROL SAMPLE: 3846639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846640 3846641

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	7.1	5	5	12.2	12.3	103	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846642 3846643

Parameter	Units	50399517005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.33	1	1	1.4	1.4	104	104	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 841467
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399547001, 50399547002, 50399547003

METHOD BLANK: 3851432 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	05/03/25 01:34	

LABORATORY CONTROL SAMPLE: 3851433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851434 3851435

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.1	10.0	98	98	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851436 3851437

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.1	10	10	10.9	11.0	98	99	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851438 3851439

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.3	96	96	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-17S **Lab ID: 50399547001** Collected: 04/24/25 10:45 Received: 04/24/25 16:15 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.233 ± 0.722 (1.43) C:NA T:85%**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.08 ± 0.438 (0.698) C:100% T:83%**	pCi/L	05/19/25 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.08 ± 1.16 (2.13)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23S **Lab ID: 50399547002** Collected: 04/24/25 14:26 Received: 04/24/25 16:15 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.602 ± 0.582 (0.904) C:NA T:93%**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.879 ± 0.433 (0.758) C:88% T:86%**	pCi/L	05/19/25 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.48 ± 1.02 (1.66)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23I **Lab ID: 50399547003** Collected: 04/24/25 11:17 Received: 04/24/25 16:15 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0449 ± 0.520 (0.982) C:NA T:92%**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.12 ± 0.494 (0.816) C:83% T:82%**	pCi/L	05/19/25 12:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.16 ± 1.01 (1.80)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23I MS **Lab ID: 50399547004** Collected: 04/24/25 11:17 Received: 04/24/25 16:15 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**94.10 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**104.75 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/19/25 12:25	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Sample: MW-23I MSD **Lab ID: 50399547005** Collected: 04/24/25 11:17 Received: 04/24/25 16:15 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**112.40 %REC 17.72RPD ± NA (NA) C:NA T:NA**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**84.65 %REC 21.23RPD ± NA (NA) C:NA T:NA**	pCi/L	05/19/25 15:53	15262-20-1	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 743036 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399547001, 50399547002, 50399547003, 50399547004, 50399547005

METHOD BLANK: 3615974 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003, 50399547004, 50399547005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.132 ± 0.310 (0.575) C:NA T:95%	pCi/L	05/16/25 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

QC Batch: 743038 | Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 | Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399547001, 50399547002, 50399547003, 50399547004, 50399547005

METHOD BLANK: 3615984 Matrix: Water
Associated Lab Samples: 50399547001, 50399547002, 50399547003, 50399547004, 50399547005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.586 ± 0.383 (0.723) C:81% T:89%	pCi/L	05/19/25 12:24	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399547001	**MW-17S**	EPA 9056	840737		
50399547002	**MW-23S**	EPA 9056	840737		
50399547003	**MW-23I**	EPA 9056	840737		
50399547001	**MW-17S**	EPA 3010	840441	EPA 6010	840605
50399547002	**MW-23S**	EPA 3010	840441	EPA 6010	840605
50399547003	**MW-23I**	EPA 3010	840441	EPA 6010	840605
50399547001	**MW-17S**	EPA 3010	840847	EPA 6010	841289
50399547002	**MW-23S**	EPA 3010	840847	EPA 6010	841289
50399547003	**MW-23I**	EPA 3010	840847	EPA 6010	841289
50399547001	**MW-17S**	EPA 200.2	840667	EPA 6020	840695
50399547002	**MW-23S**	EPA 200.2	840667	EPA 6020	840695
50399547003	**MW-23I**	EPA 200.2	840667	EPA 6020	840695
50399547001	**MW-17S**	EPA 7470	841654	EPA 7470	841976
50399547002	**MW-23S**	EPA 7470	841654	EPA 7470	841976
50399547003	**MW-23I**	EPA 7470	841654	EPA 7470	841976
50399547001	**MW-17S**	EPA 903.1	743036		
50399547002	**MW-23S**	EPA 903.1	743036		
50399547003	**MW-23I**	EPA 903.1	743036		
50399547004	**MW-23I MS**	EPA 903.1	743036		
50399547005	**MW-23I MSD**	EPA 903.1	743036		
50399547001	**MW-17S**	EPA 904.0	743038		
50399547002	**MW-23S**	EPA 904.0	743038		
50399547003	**MW-23I**	EPA 904.0	743038		
50399547004	**MW-23I MS**	EPA 904.0	743038		
50399547005	**MW-23I MSD**	EPA 904.0	743038		
50399547001	**MW-17S**	Total Radium Calculation	746857		
50399547002	**MW-23S**	Total Radium Calculation	746857		
50399547003	**MW-23I**	Total Radium Calculation	746857		
50399547001	**MW-17S**	SM 2320B	842215		
50399547002	**MW-23S**	SM 2320B	842215		
50399547003	**MW-23I**	SM 2320B	842215		
50399547001	**MW-17S**	SM 2540C	840902		
50399547002	**MW-23S**	SM 2540C	840902		
50399547003	**MW-23I**	SM 2540C	840903		
50399547001	**MW-17S**	SM 4500-H+B	840715		
50399547002	**MW-23S**	SM 4500-H+B	840715		
50399547003	**MW-23I**	SM 4500-H+B	840715		
50399547001	**MW-17S**	EPA 353.2	840522		
50399547002	**MW-23S**	EPA 353.2	840522		
50399547003	**MW-23I**	EPA 353.2	840522		
50399547001	**MW-17S**	SM 5310C	841467		
50399547002	**MW-23S**	SM 5310C	841467		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399547

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399547003	**MW-23I**	SM 5310C	841467		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50399547

50399547

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW17S	GW	G	4/24/25	1045			9			X	X	X	X	X	X	X	X	X	
MW-23S	↓	↓	↓	1426			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	
MW-23I	↓	↓	↓	1117			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	
MSD-S	↓	↓	↓	1117			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	
MS-S	↓	↓	↓	1117			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**
AcctNum / Client ID:
Table #:
Profile / Template: **10498/69**
Prelog / Bottle Ord. ID: **EZ 3239339**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mykah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	C	-0.1	1.3	1.2	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	4/24/2025 1652		4-24-25 1650	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TRH 4-24-25 1814

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I	**3. Packing Material:** Bubble Wrap (Bubble Bags) None Other _____
2. Cooler Temperature(s): (Initial/Corrected) 1.3 / 1.2 RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)	**4. Ice Type:** (Wet) Blue None
3. Was the PM notified of out of temp cooler?: Yes No Cooler temp should be above freezing to 6°C If the PM was contacted in the comments below please write how they instructed the project to proceed	**5. Courier:** Fed Ex UPS (Client) Pace Now/Jett Other **6. Custody Seal on Cooler/Box Present:** Yes (No) **(If yes)Seals Intact:** Yes (No) **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** (HNO3 (<2)) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC										OTHER								
			MeOH (only)																														
			SBS																														
			DI																														
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												2				2	1	2	1	1									WT	✓	✓		
2												↓				↓	↓	↓	↓	↓									↓	↓	↓		
3												6				6	3	6	3	3									↓	↓	↓		
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic	NT3U	Non Teflon 250mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4U	125mL unpreserved plastic
BP1S	1L H2SO4 plastic	BP4N	125mL HNO3 plastic
BP1U	1L unpreserved plastic	BP4S	125mL H2SO4 plastic
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Dear Mr. Breting:

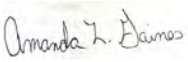
Enclosed are the analytical results for sample(s) received by the laboratory on April 25, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399677001	**MW-21S**	Water	04/24/25 13:30	04/25/25 08:45
50399677002	**MW-21S MS**	Water	04/24/25 13:30	04/25/25 08:45
50399677003	**MW-21S MSD**	Water	04/24/25 13:30	04/25/25 08:45
50399677004	**MW-21I**	Water	04/24/25 12:25	04/25/25 08:45
50399677005	**MW-21D**	Water	04/24/25 10:45	04/25/25 08:45
50399677006	**FIELD BLANK 4**	Water	04/24/25 10:30	04/25/25 08:45

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399677001	**MW-21S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399677002	**MW-21S MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50399677003	**MW-21S MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50399677004	**MW-21I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399677005	**MW-21D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399677006	**FIELD BLANK 4**	EPA 9056	ZM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	SMS2	1	PASI-I
		EPA 353.2	CAS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399677001	**MW-21S**					
EPA 9056	Chloride	56.9	mg/L	2.5	04/29/25 21:38	
EPA 9056	Fluoride	0.18	mg/L	0.10	05/01/25 02:58	
EPA 9056	Sulfate	37.1	mg/L	0.25	05/01/25 02:58	
EPA 6010	Calcium	64900	ug/L	1000	05/01/25 10:52	
EPA 6010	Magnesium	20400	ug/L	1000	05/01/25 10:52	
EPA 6010	Manganese	335	ug/L	10.0	05/01/25 10:52	
EPA 6010	Potassium	2670	ug/L	1000	05/01/25 10:52	
EPA 6010	Sodium	38100	ug/L	1000	05/01/25 10:52	
EPA 6020	Barium	28.0	ug/L	1.0	04/30/25 11:04	
EPA 903.1	Radium-226	0.0389 ± 0.397 (0.758) C:NA T:92%	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	0.713 ± 0.497 (0.964) C:74% T:85%	pCi/L		05/19/25 15:53	
Total Radium Calculation	Total Radium	0.752 ± 0.894 (1.72)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	213	mg/L	10.0	05/07/25 11:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	213	mg/L	10.0	05/07/25 11:29	
SM 2540C	Total Dissolved Solids	341	mg/L	10.0	04/29/25 09:32	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	04/28/25 11:19	H3
EPA 353.2	Nitrogen, Nitrate	0.40	mg/L	0.10	04/25/25 15:07	
SM 5310C	Dissolved Organic Carbon	1.1	mg/L	1.0	05/03/25 05:46	
50399677002	**MW-21S MS**					
EPA 903.1	Radium-226	83.46 %REC ± NA (NA) C:NA T:NA	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	105.16 %REC ± NA (NA) C:NA T:NA	pCi/L		05/19/25 15:53	
50399677003	**MW-21S MSD**					
EPA 903.1	Radium-226	85.07 %REC 1.91RPD ± NA (NA) C:NA T:NA	pCi/L		05/16/25 14:35	
EPA 904.0	Radium-228	89.43 %REC 16.16RPD ± NA (NA) C:NA T:NA	pCi/L		05/19/25 15:53	
50399677004	**MW-21I**					
EPA 9056	Chloride	17.4	mg/L	0.25	05/01/25 03:48	
EPA 9056	Sulfate	31.2	mg/L	0.25	05/01/25 03:48	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399677004	**MW-21I**					
EPA 6010	Calcium	97700	ug/L	1000	05/01/25 11:03	
EPA 6010	Iron	713	ug/L	100	05/01/25 11:03	
EPA 6010	Magnesium	29300	ug/L	1000	05/01/25 11:03	
EPA 6010	Manganese	141	ug/L	10.0	05/01/25 11:03	
EPA 6010	Potassium	1930	ug/L	1000	05/01/25 11:03	
EPA 6010	Sodium	12300	ug/L	1000	05/01/25 11:03	
EPA 6020	Barium	92.6	ug/L	1.0	04/30/25 11:32	
EPA 6020	Selenium	8.8	ug/L	1.0	04/30/25 11:32	
EPA 903.1	Radium-226	0.300 ± 0.612 (1.09) C:NA T:88%	pCi/L		05/16/25 14:47	
EPA 904.0	Radium-228	0.552 ± 0.379 (0.725) C:90% T:84%	pCi/L		05/19/25 15:53	
Total Radium Calculation	Total Radium	0.852 ± 0.991 (1.82)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	297	mg/L	10.0	05/07/25 11:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	297	mg/L	10.0	05/07/25 11:29	
SM 2540C	Total Dissolved Solids	988	mg/L	10.0	04/29/25 09:33	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	04/28/25 11:21	H3
EPA 353.2	Nitrogen, Nitrate	8.6	mg/L	0.20	04/25/25 15:13	
50399677005	**MW-21D**					
EPA 9056	Chloride	44.0	mg/L	2.5	04/29/25 23:18	
EPA 9056	Sulfate	212	mg/L	2.5	04/29/25 23:18	
EPA 6010	Boron	324	ug/L	100	05/01/25 11:05	
EPA 6010	Calcium	138000	ug/L	1000	05/01/25 11:05	
EPA 6010	Iron	3570	ug/L	100	05/01/25 11:05	
EPA 6010	Magnesium	32200	ug/L	1000	05/01/25 11:05	
EPA 6010	Manganese	499	ug/L	10.0	05/01/25 11:05	
EPA 6010	Potassium	2990	ug/L	1000	05/01/25 11:05	
EPA 6010	Sodium	40800	ug/L	1000	05/01/25 11:05	
EPA 6020	Arsenic	4.9	ug/L	1.0	04/30/25 11:36	
EPA 6020	Barium	34.1	ug/L	1.0	04/30/25 11:36	
EPA 903.1	Radium-226	0.899 ± 0.955 (1.55) C:NA T:90%	pCi/L		05/16/25 14:47	
EPA 904.0	Radium-228	0.788 ± 0.426 (0.762) C:87% T:88%	pCi/L		05/19/25 15:53	
Total Radium Calculation	Total Radium	1.69 ± 1.38 (2.31)	pCi/L		05/20/25 13:58	
SM 2320B	Alkalinity, Total as CaCO3	275	mg/L	10.0	05/08/25 07:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	275	mg/L	10.0	05/08/25 07:46	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399677005	**MW-21D**					
SM 2540C	Total Dissolved Solids	652	mg/L	10.0	04/29/25 09:34	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	04/28/25 11:22	H3
50399677006	**FIELD BLANK 4**					
EPA 903.1	Radium-226	0.000 ± 0.462 (0.927) C:NA T:97%	pCi/L		05/16/25 14:47	
EPA 904.0	Radium-228	0.986 ± 0.439 (0.720) C:88% T:85%	pCi/L		05/19/25 15:53	
Total Radium Calculation	Total Radium	0.986 ± 0.901 (1.65)	pCi/L		05/20/25 13:58	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	04/28/25 11:29	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21S **Lab ID: 50399677001** Collected: 04/24/25 13:30 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**56.9**	mg/L	2.5	1.3	10		04/29/25 21:38	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.016	1		05/01/25 02:58	16984-48-8	
Sulfate	**37.1**	mg/L	0.25	0.19	1		05/01/25 02:58	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/30/25 16:01	05/01/25 10:52	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/30/25 16:01	05/01/25 10:52	7440-43-9	
Calcium	**64900**	ug/L	1000	83.9	1	04/30/25 16:01	05/01/25 10:52	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/30/25 16:01	05/01/25 10:52	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/30/25 16:01	05/01/25 10:52	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/30/25 16:01	05/01/25 10:52	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/30/25 16:01	05/01/25 10:52	7439-93-2	
Magnesium	**20400**	ug/L	1000	53.7	1	04/30/25 16:01	05/01/25 10:52	7439-95-4	
Manganese	**335**	ug/L	10.0	0.77	1	04/30/25 16:01	05/01/25 10:52	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/30/25 16:01	05/01/25 10:52	7439-98-7	
Potassium	**2670**	ug/L	1000	113	1	04/30/25 16:01	05/01/25 10:52	7440-09-7	
Sodium	**38100**	ug/L	1000	95.0	1	04/30/25 16:01	05/01/25 10:52	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 23:27	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/29/25 08:50	04/30/25 11:04	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/29/25 08:50	04/30/25 11:04	7440-38-2	
Barium	**28.0**	ug/L	1.0	0.11	1	04/29/25 08:50	04/30/25 11:04	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/29/25 08:50	04/30/25 11:04	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/29/25 08:50	04/30/25 11:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/29/25 08:50	04/30/25 11:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/29/25 08:50	04/30/25 11:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:30	05/05/25 19:56	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**213**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**213**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/25 11:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21S **Lab ID: 50399677001** Collected: 04/24/25 13:30 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**341**	mg/L	10.0	10.0	1		04/29/25 09:32		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		04/28/25 11:19		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.40**	mg/L	0.10	0.013	1		04/25/25 15:07	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.1**	mg/L	1.0	0.30	1		05/03/25 05:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21I **Lab ID: 50399677004** Collected: 04/24/25 12:25 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**17.4**	mg/L	0.25	0.13	1		05/01/25 03:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		05/01/25 03:48	16984-48-8	
Sulfate	**31.2**	mg/L	0.25	0.19	1		05/01/25 03:48	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/30/25 16:01	05/01/25 11:03	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/30/25 16:01	05/01/25 11:03	7440-43-9	
Calcium	**97700**	ug/L	1000	83.9	1	04/30/25 16:01	05/01/25 11:03	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/30/25 16:01	05/01/25 11:03	7440-47-3	
Iron	**713**	ug/L	100	41.0	1	04/30/25 16:01	05/01/25 11:03	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/30/25 16:01	05/01/25 11:03	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/30/25 16:01	05/01/25 11:03	7439-93-2	
Magnesium	**29300**	ug/L	1000	53.7	1	04/30/25 16:01	05/01/25 11:03	7439-95-4	
Manganese	**141**	ug/L	10.0	0.77	1	04/30/25 16:01	05/01/25 11:03	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/30/25 16:01	05/01/25 11:03	7439-98-7	
Potassium	**1930**	ug/L	1000	113	1	04/30/25 16:01	05/01/25 11:03	7440-09-7	
Sodium	**12300**	ug/L	1000	95.0	1	04/30/25 16:01	05/01/25 11:03	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 23:42	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/29/25 08:50	04/30/25 11:32	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/29/25 08:50	04/30/25 11:32	7440-38-2	
Barium	**92.6**	ug/L	1.0	0.11	1	04/29/25 08:50	04/30/25 11:32	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/29/25 08:50	04/30/25 11:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/29/25 08:50	04/30/25 11:32	7440-48-4	
Selenium	**8.8**	ug/L	1.0	0.26	1	04/29/25 08:50	04/30/25 11:32	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/29/25 08:50	04/30/25 11:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:30	05/05/25 20:04	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**297**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**297**	mg/L	10.0	10.0	1		05/07/25 11:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/25 11:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21I **Lab ID: 50399677004** Collected: 04/24/25 12:25 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**988**	mg/L	10.0	10.0	1		04/29/25 09:33		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		04/28/25 11:21		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**8.6**	mg/L	0.20	0.026	2		04/25/25 15:13	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/03/25 06:50		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21D **Lab ID: 50399677005** Collected: 04/24/25 10:45 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**44.0**	mg/L	2.5	1.3	10		04/29/25 23:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		05/01/25 04:22	16984-48-8	
Sulfate	**212**	mg/L	2.5	1.9	10		04/29/25 23:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	**324**	ug/L	100	5.6	1	04/30/25 16:01	05/01/25 11:05	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/30/25 16:01	05/01/25 11:05	7440-43-9	
Calcium	**138000**	ug/L	1000	83.9	1	04/30/25 16:01	05/01/25 11:05	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/30/25 16:01	05/01/25 11:05	7440-47-3	
Iron	**3570**	ug/L	100	41.0	1	04/30/25 16:01	05/01/25 11:05	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/30/25 16:01	05/01/25 11:05	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/30/25 16:01	05/01/25 11:05	7439-93-2	
Magnesium	**32200**	ug/L	1000	53.7	1	04/30/25 16:01	05/01/25 11:05	7439-95-4	
Manganese	**499**	ug/L	10.0	0.77	1	04/30/25 16:01	05/01/25 11:05	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/30/25 16:01	05/01/25 11:05	7439-98-7	
Potassium	**2990**	ug/L	1000	113	1	04/30/25 16:01	05/01/25 11:05	7440-09-7	
Sodium	**40800**	ug/L	1000	95.0	1	04/30/25 16:01	05/01/25 11:05	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	04/30/25 08:07	04/30/25 23:45	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/29/25 08:50	04/30/25 11:36	7440-36-0	
Arsenic	**4.9**	ug/L	1.0	0.080	1	04/29/25 08:50	04/30/25 11:36	7440-38-2	
Barium	**34.1**	ug/L	1.0	0.11	1	04/29/25 08:50	04/30/25 11:36	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/29/25 08:50	04/30/25 11:36	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/29/25 08:50	04/30/25 11:36	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/29/25 08:50	04/30/25 11:36	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/29/25 08:50	04/30/25 11:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:30	05/05/25 20:06	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**275**	mg/L	10.0	10.0	1		05/08/25 07:46		
Alkalinity,Bicarbonate (CaCO3)	**275**	mg/L	10.0	10.0	1		05/08/25 07:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/25 07:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21D **Lab ID: 50399677005** Collected: 04/24/25 10:45 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**652**	mg/L	10.0	10.0	1		04/29/25 09:34		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		04/28/25 11:22		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/25/25 15:15	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/03/25 07:10		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: FIELD BLANK 4 **Lab ID: 50399677006** Collected: 04/24/25 10:30 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		05/01/25 04:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		05/01/25 04:38	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		05/01/25 04:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/30/25 16:01	05/01/25 11:07	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/30/25 16:01	05/01/25 11:07	7440-43-9	
Calcium	ND	ug/L	1000	83.9	1	04/30/25 16:01	05/01/25 11:07	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/30/25 16:01	05/01/25 11:07	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/30/25 16:01	05/01/25 11:07	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/30/25 16:01	05/01/25 11:07	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/30/25 16:01	05/01/25 11:07	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	04/30/25 16:01	05/01/25 11:07	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/30/25 16:01	05/01/25 11:07	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/30/25 16:01	05/01/25 11:07	7439-98-7	
Potassium	ND	ug/L	1000	113	1	04/30/25 16:01	05/01/25 11:07	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	04/30/25 16:01	05/01/25 11:07	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2								
	Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/29/25 08:50	04/30/25 11:40	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/29/25 08:50	04/30/25 11:40	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	04/29/25 08:50	04/30/25 11:40	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/29/25 08:50	04/30/25 11:40	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/29/25 08:50	04/30/25 11:40	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/29/25 08:50	04/30/25 11:40	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/29/25 08:50	04/30/25 11:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/05/25 11:30	05/05/25 20:08	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		05/08/25 07:46		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/25 07:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/25 07:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		04/29/25 09:35		PL

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: FIELD BLANK 4 **Lab ID: 50399677006** Collected: 04/24/25 10:30 Received: 04/25/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.9**	Std. Units	0.10	0.10	1		04/28/25 11:29		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/25/25 15:17	14797-55-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 840824
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3848515 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	04/29/25 10:01	
Fluoride	mg/L	ND	0.10	0.016	04/29/25 10:01	
Sulfate	mg/L	ND	0.25	0.19	04/29/25 10:01	

LABORATORY CONTROL SAMPLE: 3848516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	93	80-120	
Fluoride	mg/L	1	0.93	93	80-120	
Sulfate	mg/L	5	4.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848517 3848518

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	56.9	25	25	80.8	80.8	96	96	80-120	0	15	
Fluoride	mg/L	0.18	1	1	1.1	0.97	91	79	80-120	11	15	M0
Sulfate	mg/L	37.1	5	5	41.9	43.2	95	121	80-120	3	15	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 841658
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3852387 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/05/25 19:42	

LABORATORY CONTROL SAMPLE: 3852388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3852389 3852390

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.8	97	96	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3852391 3852392

Parameter	Units	50399752003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.8	100	95	75-125	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 840839
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3848564 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	05/01/25 10:49	
Cadmium	ug/L	ND	2.0	0.46	05/01/25 10:49	
Calcium	ug/L	ND	1000	83.9	05/01/25 10:49	
Chromium	ug/L	ND	10.0	0.96	05/01/25 10:49	
Iron	ug/L	ND	100	41.0	05/01/25 10:49	
Lead	ug/L	ND	10.0	2.0	05/01/25 10:49	
Lithium	ug/L	ND	20.0	3.8	05/01/25 10:49	
Magnesium	ug/L	ND	1000	53.7	05/01/25 10:49	
Manganese	ug/L	ND	10.0	0.77	05/01/25 10:49	
Molybdenum	ug/L	ND	10.0	1.4	05/01/25 10:49	
Potassium	ug/L	ND	1000	113	05/01/25 10:49	
Sodium	ug/L	ND	1000	95.0	05/01/25 10:49	

LABORATORY CONTROL SAMPLE: 3848565

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	999	100	80-120	
Cadmium	ug/L	1000	980	98	80-120	
Calcium	ug/L	10000	9940	99	80-120	
Chromium	ug/L	1000	973	97	80-120	
Iron	ug/L	10000	9850	99	80-120	
Lead	ug/L	1000	954	95	80-120	
Lithium	ug/L	1000	973	97	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	974	97	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9390	94	80-120	
Sodium	ug/L	10000	9580	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848566 3848567

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1050	1040	101	100	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	984	967	98	97	75-125	2	20	
Calcium	ug/L	64900	10000	10000	73900	73300	90	85	75-125	1	20	
Chromium	ug/L	ND	1000	1000	972	959	97	96	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848566 3848567

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	9780	9610	97	96	75-125	2	20	
Lead	ug/L	ND	1000	1000	937	916	94	92	75-125	2	20	
Lithium	ug/L	ND	1000	1000	975	963	97	96	75-125	1	20	
Magnesium	ug/L	20400	10000	10000	29900	29700	95	93	75-125	1	20	
Manganese	ug/L	335	1000	1000	1290	1270	95	94	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1030	1010	102	100	75-125	2	20	
Potassium	ug/L	2670	10000	10000	12200	12100	96	94	75-125	1	20	
Sodium	ug/L	38100	10000	10000	47500	47500	93	94	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848568 3848569

Parameter	Units	50399752003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	0.24 mg/L	1000	1000	1240	1230	100	99	75-125	1	20	
Cadmium	ug/L		1000	1000	970	960	97	96	75-125	1	20	
Calcium	ug/L	47.7 mg/L	10000	10000	57000	56400	93	87	75-125	1	20	
Chromium	ug/L		1000	1000	967	953	96	95	75-125	1	20	
Iron	ug/L		10000	10000	9800	9670	98	96	75-125	1	20	
Lead	ug/L		1000	1000	924	916	92	92	75-125	1	20	
Lithium	ug/L	0.0095J mg/L	1000	1000	978	977	97	97	75-125	0	20	
Magnesium	ug/L		10000	10000	17800	17700	99	97	75-125	1	20	
Manganese	ug/L		1000	1000	959	953	96	95	75-125	1	20	
Molybdenum	ug/L		1000	1000	1020	1010	100	99	75-125	1	20	
Potassium	ug/L		10000	10000	12300	12300	94	94	75-125	0	20	
Sodium	ug/L		10000	10000	37700	37600	94	92	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 840847
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005

METHOD BLANK: 3848594 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	04/30/25 22:44	

LABORATORY CONTROL SAMPLE: 3848595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848596 3848597

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	1020	101	102	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848598 3848599

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	ND	1000	1000	988	1000	98	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 840820
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3848507 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	04/29/25 21:48	
Arsenic	ug/L	ND	1.0	0.080	04/29/25 21:48	
Barium	ug/L	ND	1.0	0.11	04/29/25 21:48	
Beryllium	ug/L	ND	0.20	0.026	04/29/25 21:48	
Cobalt	ug/L	ND	1.0	0.045	04/29/25 21:48	
Selenium	ug/L	ND	1.0	0.26	04/29/25 21:48	
Thallium	ug/L	ND	1.0	0.052	04/29/25 21:48	

LABORATORY CONTROL SAMPLE: 3848508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.0	100	80-120	
Arsenic	ug/L	40	40.2	101	80-120	
Barium	ug/L	40	39.9	100	80-120	
Beryllium	ug/L	40	39.8	100	80-120	
Cobalt	ug/L	40	40.8	102	80-120	
Selenium	ug/L	40	38.3	96	80-120	
Thallium	ug/L	40	41.7	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848509 3848510

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	41.4	41.7	103	104	75-125	1	20	
Arsenic	ug/L	ND	40	40	39.2	39.5	97	98	75-125	1	20	
Barium	ug/L	28.0	40	40	66.8	67.5	97	99	75-125	1	20	
Beryllium	ug/L	ND	40	40	38.2	38.3	96	96	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.7	39.0	96	97	75-125	1	20	
Selenium	ug/L	ND	40	40	39.2	38.1	98	95	75-125	3	20	
Thallium	ug/L	ND	40	40	41.1	41.4	103	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 842215
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004

METHOD BLANK: 3854822 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/07/25 11:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/25 11:29	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/25 11:29	

LABORATORY CONTROL SAMPLE: 3854823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	90-110	

SAMPLE DUPLICATE: 3854824

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	257	255	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	257	255	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3854825

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	213	212	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	213	212	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 842216
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677005, 50399677006

METHOD BLANK: 3854826 Matrix: Water
Associated Lab Samples: 50399677005, 50399677006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/08/25 07:46	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/25 07:46	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/25 07:46	

LABORATORY CONTROL SAMPLE: 3854827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	90-110	

SAMPLE DUPLICATE: 3854828

Parameter	Units	50399677005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	275	272	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	275	272	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3854829

Parameter	Units	50399687001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	172	147	16	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	172	135	24	20	R1
Alkalinity,Carbonate (CaCO3)	mg/L	ND	12.0		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 840903
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3848763 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/29/25 09:27	

LABORATORY CONTROL SAMPLE: 3848764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	80-120	

SAMPLE DUPLICATE: 3848765

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	335	331	1	10	

SAMPLE DUPLICATE: 3848766

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	341	335	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 840715
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

SAMPLE DUPLICATE: 3848138

Parameter	Units	50399547003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.8	3	2	H3,R1

SAMPLE DUPLICATE: 3848139

Parameter	Units	50399677001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.7	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 840523
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3846644 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005, 50399677006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/25/25 15:41	

LABORATORY CONTROL SAMPLE: 3846645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846646 3846647

Parameter	Units	50399549009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.1	1.1	104	105	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3846760 3846761

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.40	1	1	1.5	1.5	107	108	90-110	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 841467
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399677001, 50399677004, 50399677005

METHOD BLANK: 3851432 Matrix: Water
Associated Lab Samples: 50399677001, 50399677004, 50399677005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	05/03/25 01:34	

LABORATORY CONTROL SAMPLE: 3851433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851434 3851435

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.1	10.0	98	98	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851436 3851437

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.1	10	10	10.9	11.0	98	99	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851438 3851439

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.3	96	96	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21S **Lab ID: 50399677001** Collected: 04/24/25 13:30 Received: 04/25/25 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.0389 ± 0.397 (0.758) C:NA T:92%**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.713 ± 0.497 (0.964) C:74% T:85%**	pCi/L	05/19/25 15:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.752 ± 0.894 (1.72)**	pCi/L	05/20/25 13:58	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21S MS **Lab ID: 50399677002** Collected: 04/24/25 13:30 Received: 04/25/25 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**83.46 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**105.16 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/19/25 15:53	15262-20-1	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21S MSD **Lab ID: 50399677003** Collected: 04/24/25 13:30 Received: 04/25/25 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**85.07 %REC 1.91RPD ± NA (NA) C:NA T:NA**	pCi/L	05/16/25 14:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**89.43 %REC 16.16RPD ± NA (NA) C:NA T:NA**	pCi/L	05/19/25 15:53	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21I **Lab ID: 50399677004** Collected: 04/24/25 12:25 Received: 04/25/25 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.300 ± 0.612 (1.09) C:NA T:88%**	pCi/L	05/16/25 14:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.552 ± 0.379 (0.725) C:90% T:84%**	pCi/L	05/19/25 15:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.852 ± 0.991 (1.82)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: MW-21D **Lab ID: 50399677005** Collected: 04/24/25 10:45 Received: 04/25/25 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.899 ± 0.955 (1.55) C:NA T:90%**	pCi/L	05/16/25 14:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.788 ± 0.426 (0.762) C:87% T:88%**	pCi/L	05/19/25 15:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.69 ± 1.38 (2.31)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Sample: FIELD BLANK 4 **Lab ID: 50399677006** Collected: 04/24/25 10:30 Received: 04/25/25 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.462 (0.927) C:NA T:97%**	pCi/L	05/16/25 14:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.986 ± 0.439 (0.720) C:88% T:85%**	pCi/L	05/19/25 15:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.986 ± 0.901 (1.65)**	pCi/L	05/20/25 13:58	7440-14-4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 743036 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399677001, 50399677002, 50399677003, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3615974 Matrix: Water
Associated Lab Samples: 50399677001, 50399677002, 50399677003, 50399677004, 50399677005, 50399677006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.132 ± 0.310 (0.575) C:NA T:95%	pCi/L	05/16/25 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

QC Batch: 743038 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399677001, 50399677002, 50399677003, 50399677004, 50399677005, 50399677006

METHOD BLANK: 3615984 Matrix: Water
Associated Lab Samples: 50399677001, 50399677002, 50399677003, 50399677004, 50399677005, 50399677006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.586 ± 0.383 (0.723) C:81% T:89%	pCi/L	05/19/25 12:24	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
R1	RPD value was outside control limits.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399677001	**MW-21S**	EPA 9056	840824		
50399677004	**MW-21I**	EPA 9056	840824		
50399677005	**MW-21D**	EPA 9056	840824		
50399677006	**FIELD BLANK 4**	EPA 9056	840824		
50399677001	**MW-21S**	EPA 3010	840839	EPA 6010	841388
50399677004	**MW-21I**	EPA 3010	840839	EPA 6010	841388
50399677005	**MW-21D**	EPA 3010	840839	EPA 6010	841388
50399677006	**FIELD BLANK 4**	EPA 3010	840839	EPA 6010	841388
50399677001	**MW-21S**	EPA 3010	840847	EPA 6010	841289
50399677004	**MW-21I**	EPA 3010	840847	EPA 6010	841289
50399677005	**MW-21D**	EPA 3010	840847	EPA 6010	841289
50399677001	**MW-21S**	EPA 200.2	840820	EPA 6020	841075
50399677004	**MW-21I**	EPA 200.2	840820	EPA 6020	841075
50399677005	**MW-21D**	EPA 200.2	840820	EPA 6020	841075
50399677006	**FIELD BLANK 4**	EPA 200.2	840820	EPA 6020	841075
50399677001	**MW-21S**	EPA 7470	841658	EPA 7470	841977
50399677004	**MW-21I**	EPA 7470	841658	EPA 7470	841977
50399677005	**MW-21D**	EPA 7470	841658	EPA 7470	841977
50399677006	**FIELD BLANK 4**	EPA 7470	841658	EPA 7470	841977
50399677001	**MW-21S**	EPA 903.1	743036		
50399677002	**MW-21S MS**	EPA 903.1	743036		
50399677003	**MW-21S MSD**	EPA 903.1	743036		
50399677004	**MW-21I**	EPA 903.1	743036		
50399677005	**MW-21D**	EPA 903.1	743036		
50399677006	**FIELD BLANK 4**	EPA 903.1	743036		
50399677001	**MW-21S**	EPA 904.0	743038		
50399677002	**MW-21S MS**	EPA 904.0	743038		
50399677003	**MW-21S MSD**	EPA 904.0	743038		
50399677004	**MW-21I**	EPA 904.0	743038		
50399677005	**MW-21D**	EPA 904.0	743038		
50399677006	**FIELD BLANK 4**	EPA 904.0	743038		
50399677001	**MW-21S**	Total Radium Calculation	746857		
50399677004	**MW-21I**	Total Radium Calculation	746857		
50399677005	**MW-21D**	Total Radium Calculation	746857		
50399677006	**FIELD BLANK 4**	Total Radium Calculation	746857		
50399677001	**MW-21S**	SM 2320B	842215		
50399677004	**MW-21I**	SM 2320B	842215		
50399677005	**MW-21D**	SM 2320B	842216		
50399677006	**FIELD BLANK 4**	SM 2320B	842216		
50399677001	**MW-21S**	SM 2540C	840903		
50399677004	**MW-21I**	SM 2540C	840903		
50399677005	**MW-21D**	SM 2540C	840903		
50399677006	**FIELD BLANK 4**	SM 2540C	840903		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399677

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399677001	**MW-21S**	SM 4500-H+B	840715		
50399677004	**MW-21I**	SM 4500-H+B	840715		
50399677005	**MW-21D**	SM 4500-H+B	840715		
50399677006	**FIELD BLANK 4**	SM 4500-H+B	840715		
50399677001	**MW-21S**	EPA 353.2	840523		
50399677004	**MW-21I**	EPA 353.2	840523		
50399677005	**MW-21D**	EPA 353.2	840523		
50399677006	**FIELD BLANK 4**	EPA 353.2	840523		
50399677001	**MW-21S**	SM 5310C	841467		
50399677004	**MW-21I**	SM 5310C	841467		
50399677005	**MW-21D**	SM 5310C	841467		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50399677

50399677

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Sample Comment
mw-21s					4.24.25	1330	9			(ms/msD-4) OC
mw-21I						1225	9			OC
mw-21D						1045	9			OC
ms-4						1330	9			OC
msD-4						1330	9			OC
Field Blank 4						1030	6			OC

Identify Container Preservative Type***

Analysis Requested

2320B Alk/Bicarb/Carb; 4500H+ pH, Electrometric; 2540C Total Dissolved Solids; 353.2 Nitrogen, NO2/NO3 unpres; 9056 IC Cl/F/SO4; 5310C Dissolved Organic Carbon; 6010 MET ICP, Dissolved; 6010 MET ICP; 6020 MET ICPMS; 7470 Mercury; RAD226/228 + SUM to Pace PA

, 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**

AcctNum / Client ID:

Table #:

Profile / Template: **10498/69**

Prelog / Bottle Ord. ID: **EZ 3239339**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Jay Hill
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	F	0.0	2.3	2.3	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jay Hill / Atlas	4.25.25 / 845a	PACE Malcolm F.	4-25 08:45
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [✓] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4-25-25 10:55 MHP

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E (F) G H I

2. Cooler Temperature(s): (Initial/Corrected) 2.3/2.3 | 3.1/3.1 | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Packing Material: (Bubble Wrap) (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

3. Was the PM notified of out of temp cooler?: Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? **Analysis:** Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1210	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** (HNO3 (<2)) (H2SO4 (<2)) **NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	✓		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit							
1												6				0	3	6	3	3									Ws	✓	✓		
2												2				2	1	2	1	1									↓	↓	↓		
3												↓				↓	↓	↓	↓	↓									↓	↓	↓		
4																																	
5																																	
6												8				2	1	2	1										W	✓	✓		
7												SM																					
8												MS																					
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Dear Mr. Breting:

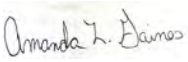
Enclosed are the analytical results for sample(s) received by the laboratory on April 28, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399910001	**MW-24D**	Water	04/28/25 12:00	04/28/25 17:00
50399910002	**MW-24D MS**	Water	04/28/25 12:00	04/28/25 17:00
50399910003	**MW-24D MSD**	Water	04/28/25 12:00	04/28/25 17:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399910001	**MW-24D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399910002	**MW-24D MS**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50399910003	**MW-24D MSD**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399910001	**MW-24D**					
EPA 9056	Chloride	39.4	mg/L	2.5	05/01/25 14:08	
EPA 9056	Fluoride	0.27	mg/L	0.10	05/01/25 13:52	
EPA 9056	Sulfate	28.9	mg/L	0.25	05/01/25 13:52	
EPA 6010	Calcium	69100	ug/L	1000	04/29/25 09:17	
EPA 6010	Iron	827	ug/L	100	04/29/25 09:17	
EPA 6010	Magnesium	23100	ug/L	1000	04/29/25 09:17	
EPA 6010	Manganese	127	ug/L	10.0	04/29/25 09:17	
EPA 6010	Molybdenum	10.1	ug/L	10.0	04/29/25 09:17	
EPA 6010	Potassium	3500	ug/L	1000	04/29/25 09:17	
EPA 6010	Sodium	41100	ug/L	1000	04/29/25 09:17	
EPA 6010	Molybdenum, Dissolved	10.3	ug/L	10.0	05/02/25 12:17	
EPA 6020	Arsenic	2.6	ug/L	1.0	05/01/25 09:59	
EPA 6020	Barium	109	ug/L	1.0	05/01/25 09:59	
EPA 903.1	Radium-226	0.506 ± 0.471 (0.735) C:NA T:95%	pCi/L		05/23/25 13:28	
EPA 904.0	Radium-228	1.07 ± 0.451 (0.736) C:84% T:89%	pCi/L		05/21/25 14:05	
Total Radium Calculation	Total Radium	1.58 ± 0.922 (1.47)	pCi/L		05/27/25 14:47	
SM 2320B	Alkalinity, Total as CaCO3	300	mg/L	10.0	05/08/25 11:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	300	mg/L	10.0	05/08/25 11:01	
SM 2540C	Total Dissolved Solids	383	mg/L	10.0	04/30/25 09:11	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	05/06/25 12:47	H3
50399910002	**MW-24D MS**					
EPA 903.1	Radium-226	89.58 %REC ± NA (NA) C:NA T:NA	pCi/L		05/23/25 13:28	
EPA 904.0	Radium-228	83.86 %REC ± NA (NA) C:NA T:NA	pCi/L		05/21/25 14:05	
50399910003	**MW-24D MSD**					
EPA 903.1	Radium-226	68.02 %REC 27.35RPD ± NA (NA) C:NA T:NA	pCi/L		05/23/25 13:28	
EPA 904.0	Radium-228	86.88 %REC 3.53RPD ± NA (NA) C:NA T:NA	pCi/L		05/21/25 14:05	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Sample: MW-24D **Lab ID: 50399910001** Collected: 04/28/25 12:00 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**39.4**	mg/L	2.5	1.3	10		05/01/25 14:08	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.016	1		05/01/25 13:52	16984-48-8	
Sulfate	**28.9**	mg/L	0.25	0.19	1		05/01/25 13:52	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/29/25 00:23	04/29/25 09:17	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/29/25 00:23	04/29/25 09:17	7440-43-9	
Calcium	**69100**	ug/L	1000	83.9	1	04/29/25 00:23	04/29/25 09:17	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/29/25 00:23	04/29/25 09:17	7440-47-3	
Iron	**827**	ug/L	100	41.0	1	04/29/25 00:23	04/29/25 09:17	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/29/25 00:23	04/29/25 09:17	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/29/25 00:23	04/29/25 09:17	7439-93-2	
Magnesium	**23100**	ug/L	1000	53.7	1	04/29/25 00:23	04/29/25 09:17	7439-95-4	
Manganese	**127**	ug/L	10.0	0.77	1	04/29/25 00:23	04/29/25 09:17	7439-96-5	
Molybdenum	**10.1**	ug/L	10.0	1.4	1	04/29/25 00:23	04/29/25 09:17	7439-98-7	
Potassium	**3500**	ug/L	1000	113	1	04/29/25 00:23	04/29/25 09:17	7440-09-7	
Sodium	**41100**	ug/L	1000	95.0	1	04/29/25 00:23	04/29/25 09:17	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**10.3**	ug/L	10.0	1.4	1	05/01/25 08:56	05/02/25 12:17	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/30/25 15:14	05/01/25 09:59	7440-36-0	
Arsenic	**2.6**	ug/L	1.0	0.080	1	04/30/25 15:14	05/01/25 09:59	7440-38-2	
Barium	**109**	ug/L	1.0	0.11	1	04/30/25 15:14	05/01/25 09:59	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/30/25 15:14	05/01/25 09:59	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/30/25 15:14	05/01/25 09:59	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/30/25 15:14	05/01/25 09:59	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/30/25 15:14	05/01/25 09:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/06/25 19:39	05/07/25 10:04	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**300**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Bicarbonate (CaCO3)	**300**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/25 11:01		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Sample: MW-24D **Lab ID: 50399910001** Collected: 04/28/25 12:00 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**383**	mg/L	10.0	10.0	1		04/30/25 09:11		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.7**	Std. Units	0.10	0.10	1		05/06/25 12:47		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/29/25 14:27	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/03/25 07:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 841039
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3849357 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	05/01/25 05:29	
Fluoride	mg/L	ND	0.10	0.016	05/01/25 05:29	
Sulfate	mg/L	ND	0.25	0.19	05/01/25 05:29	

LABORATORY CONTROL SAMPLE: 3849358

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	101	80-120	
Fluoride	mg/L	1	0.93	93	80-120	
Sulfate	mg/L	5	4.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849359 3849360

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	39.4	25	25	62.6	62.6	93	93	80-120	0	15	
Fluoride	mg/L	0.27	1	1	1.2	1.2	90	90	80-120	0	15	
Sulfate	mg/L	28.9	5	5	33.7	33.7	95	95	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 842086
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50399910001

METHOD BLANK: 3854024 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/07/25 09:07	

LABORATORY CONTROL SAMPLE: 3854025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3854026 3854027

Parameter	Units	50399853001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.8	96	97	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3854028 3854029

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.8	99	96	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 840875
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3848722 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/29/25 08:46	
Cadmium	ug/L	ND	2.0	0.46	04/29/25 08:46	
Calcium	ug/L	ND	1000	83.9	04/29/25 08:46	
Chromium	ug/L	ND	10.0	0.96	04/29/25 08:46	
Iron	ug/L	ND	100	41.0	04/29/25 08:46	
Lead	ug/L	ND	10.0	2.0	04/29/25 08:46	
Lithium	ug/L	ND	20.0	3.8	04/29/25 08:46	
Magnesium	ug/L	ND	1000	53.7	04/29/25 08:46	
Manganese	ug/L	ND	10.0	0.77	04/29/25 08:46	
Molybdenum	ug/L	ND	10.0	1.4	04/29/25 08:46	
Potassium	ug/L	ND	1000	113	04/29/25 08:46	
Sodium	ug/L	ND	1000	95.0	04/29/25 08:46	

LABORATORY CONTROL SAMPLE: 3848723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	965	96	80-120	
Cadmium	ug/L	1000	952	95	80-120	
Calcium	ug/L	10000	9920	99	80-120	
Chromium	ug/L	1000	981	98	80-120	
Iron	ug/L	10000	9750	97	80-120	
Lead	ug/L	1000	918	92	80-120	
Lithium	ug/L	1000	980	98	80-120	
Magnesium	ug/L	10000	9670	97	80-120	
Manganese	ug/L	1000	945	95	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9690	97	80-120	
Sodium	ug/L	10000	9640	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848724 3848725

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1080	1080	99	98	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	941	960	94	96	75-125	2	20	
Calcium	ug/L	69100	10000	10000	81100	81200	120	122	75-125	0	20	
Chromium	ug/L	ND	1000	1000	960	967	96	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848724 3848725

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	827	10000	10000	10500	10500	97	97	75-125	0	20	
Lead	ug/L	ND	1000	1000	891	906	89	91	75-125	2	20	
Lithium	ug/L	ND	1000	1000	965	977	95	96	75-125	1	20	
Magnesium	ug/L	23100	10000	10000	33200	33200	102	102	75-125	0	20	
Manganese	ug/L	127	1000	1000	1060	1060	93	93	75-125	0	20	
Molybdenum	ug/L	10.1	1000	1000	1010	1030	100	102	75-125	2	20	
Potassium	ug/L	3500	10000	10000	13000	13200	95	97	75-125	2	20	
Sodium	ug/L	41100	10000	10000	50800	51500	97	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 840931
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3848911 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	05/02/25 11:58	

LABORATORY CONTROL SAMPLE: 3848912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	984	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848913 3848914

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	10.3	1000	1000	1010	1020	100	101	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 840976
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3849044 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	05/01/25 08:02	
Arsenic	ug/L	ND	1.0	0.080	05/01/25 08:02	
Barium	ug/L	ND	1.0	0.11	05/01/25 08:02	
Beryllium	ug/L	ND	0.20	0.026	05/01/25 08:02	
Cobalt	ug/L	ND	1.0	0.045	05/01/25 08:02	
Selenium	ug/L	ND	1.0	0.26	05/01/25 08:02	
Thallium	ug/L	ND	1.0	0.052	05/01/25 08:02	

LABORATORY CONTROL SAMPLE: 3849045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.5	104	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Barium	ug/L	40	39.1	98	80-120	
Beryllium	ug/L	40	37.7	94	80-120	
Cobalt	ug/L	40	41.2	103	80-120	
Selenium	ug/L	40	40.2	100	80-120	
Thallium	ug/L	40	41.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849046 3849047

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.2	42.7	105	107	75-125	1	20	
Arsenic	ug/L	2.6	40	40	40.8	40.9	95	96	75-125	0	20	
Barium	ug/L	109	40	40	146	146	94	94	75-125	0	20	
Beryllium	ug/L	ND	40	40	38.2	38.1	95	95	75-125	0	20	
Cobalt	ug/L	ND	40	40	39.7	39.6	99	99	75-125	0	20	
Selenium	ug/L	ND	40	40	38.1	38.8	95	97	75-125	2	20	
Thallium	ug/L	ND	40	40	42.9	43.1	107	108	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 842483
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3856148 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/08/25 11:01	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/25 11:01	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/25 11:01	

LABORATORY CONTROL SAMPLE: 3856149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.6	99	90-110	

SAMPLE DUPLICATE: 3856150

Parameter	Units	50399843007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	317	318	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	317	318	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3856151

Parameter	Units	50399910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	300	296	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	300	296	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 841114
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3849613 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/30/25 09:07	

LABORATORY CONTROL SAMPLE: 3849614

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	80-120	

SAMPLE DUPLICATE: 3849615

Parameter	Units	50399853003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	549	556	1	10	

SAMPLE DUPLICATE: 3849616

Parameter	Units	50399910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	383	377	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 842071
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50399910001

SAMPLE DUPLICATE: 3853994

Parameter	Units	50400346001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3853995

Parameter	Units	50399910001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.8	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 840999
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3849145 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/29/25 14:20	

LABORATORY CONTROL SAMPLE: 3849146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849147 3849148

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	104	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849149 3849150

Parameter	Units	50399908003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	3.5	2	2	5.6	5.6	106	106	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 841467
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399910001

METHOD BLANK: 3851432 Matrix: Water
Associated Lab Samples: 50399910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	05/03/25 01:34	

LABORATORY CONTROL SAMPLE: 3851433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851434 3851435

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.1	10.0	98	98	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851436 3851437

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.1	10	10	10.9	11.0	98	99	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851438 3851439

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.3	96	96	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Sample: MW-24D **Lab ID: 50399910001** Collected: 04/28/25 12:00 Received: 04/28/25 17:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.506 ± 0.471 (0.735) C:NA T:95%**	pCi/L	05/23/25 13:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.07 ± 0.451 (0.736) C:84% T:89%**	pCi/L	05/21/25 14:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.58 ± 0.922 (1.47)**	pCi/L	05/27/25 14:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Sample: MW-24D MS **Lab ID: 50399910002** Collected: 04/28/25 12:00 Received: 04/28/25 17:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**89.58 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/23/25 13:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**83.86 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/21/25 14:05	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Sample: MW-24D MSD **Lab ID: 50399910003** Collected: 04/28/25 12:00 Received: 04/28/25 17:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**68.02 %REC 27.35RPD ± NA (NA) C:NA T:NA**	pCi/L	05/23/25 13:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**86.88 %REC 3.53RPD ± NA (NA) C:NA T:NA**	pCi/L	05/21/25 14:05	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 744329
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399910001, 50399910002, 50399910003

METHOD BLANK: 3623087
Matrix: Water
Associated Lab Samples: 50399910001, 50399910002, 50399910003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.244 (0.515) C:NA T:96%	pCi/L	05/23/25 13:28	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

QC Batch: 744331
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399910001, 50399910002, 50399910003

METHOD BLANK: 3623090
Matrix: Water
Associated Lab Samples: 50399910001, 50399910002, 50399910003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.760 ± 0.422 (0.763) C:82% T:86%	pCi/L	05/21/25 14:05	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399910

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399910001	**MW-24D**	EPA 9056	841039		
50399910001	**MW-24D**	EPA 3010	840875	EPA 6010	840906
50399910001	**MW-24D**	EPA 3010	840931	EPA 6010	841631
50399910001	**MW-24D**	EPA 200.2	840976	EPA 6020	841301
50399910001	**MW-24D**	EPA 7470	842086	EPA 7470	842222
50399910001	**MW-24D**	EPA 903.1	744329		
50399910002	**MW-24D MS**	EPA 903.1	744329		
50399910003	**MW-24D MSD**	EPA 903.1	744329		
50399910001	**MW-24D**	EPA 904.0	744331		
50399910002	**MW-24D MS**	EPA 904.0	744331		
50399910003	**MW-24D MSD**	EPA 904.0	744331		
50399910001	**MW-24D**	Total Radium Calculation	748089		
50399910001	**MW-24D**	SM 2320B	842483		
50399910001	**MW-24D**	SM 2540C	841114		
50399910001	**MW-24D**	SM 4500-H+B	842071		
50399910001	**MW-24D**	EPA 353.2	840999		
50399910001	**MW-24D**	SM 5310C	841467		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50399910

50399910

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA		Sample Comment	Preservation non-conformance identified for sample.
MW-24D	GW	G			4-28-25	1200	9			X	X	X	X	X	X	X	X	X		001	
MS-3	↓	↓			↓	↓	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		002	
MSD-3	↓	↓			↓	↓	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		003	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**
AcctNum / Client ID:
Table #:
Profile / Template: **10498/69**
Prelog / Bottle Ord. ID: **EZ 3239337**

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mo Bazlamit
Signature: MB

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	D	-.1	3.2	3.1	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
ATLAS	4-28-25 1700		4/28/25 11:00

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/28/25 17:18 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C (D) E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 3.2/3.1 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No (leave blank if no seals were present)

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—
Short Hold Time Analysis (48 hours or less)? Analysis: 353.2 Nitrate	—	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		—
Custody Signatures Present?	—	
Containers Intact?:	—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: **HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	—		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A —
Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Trip Blank Present?		—	
Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			

Comments:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (vials)						AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
			SBS																														
			DI																														
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit					HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												6				6	3	6	3	3									WT	✓	✓		
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Dear Mr. Breting:

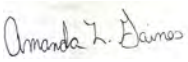
Enclosed are the analytical results for sample(s) received by the laboratory on April 28, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399911001	**MW-22S**	Water	04/28/25 10:20	04/28/25 17:00
50399911002	**MW-22D**	Water	04/28/25 14:40	04/28/25 17:00
50399911003	**MW-22I**	Water	04/28/25 15:15	04/28/25 17:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399911001	**MW-22S**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399911002	**MW-22D**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50399911003	**MW-22I**	EPA 9056	ZM	3	PASI-I
		EPA 6010	NWB	12	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	7	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399911001	**MW-22S**					
EPA 9056	Chloride	40.1	mg/L	2.5	04/30/25 21:52	
EPA 9056	Fluoride	0.10	mg/L	0.10	04/30/25 21:36	
EPA 9056	Sulfate	38.7	mg/L	0.25	04/30/25 21:36	
EPA 6010	Calcium	125000	ug/L	1000	04/29/25 09:27	
EPA 6010	Magnesium	30400	ug/L	1000	04/29/25 09:27	
EPA 6010	Manganese	880	ug/L	10.0	04/29/25 09:27	
EPA 6010	Potassium	1650	ug/L	1000	04/29/25 09:27	
EPA 6010	Sodium	28300	ug/L	1000	04/29/25 09:27	
EPA 6020	Barium	48.3	ug/L	1.0	05/01/25 10:25	
EPA 6020	Selenium	2.1	ug/L	1.0	05/01/25 10:25	
EPA 903.1	Radium-226	0.271 ± 0.487 (0.859) C:NA T:91%	pCi/L		05/22/25 15:39	
EPA 904.0	Radium-228	0.446 ± 0.346 (0.670) C:74% T:85%	pCi/L		05/21/25 14:57	
Total Radium Calculation	Total Radium	0.717 ± 0.833 (1.53)	pCi/L		05/27/25 17:15	
SM 2320B	Alkalinity, Total as CaCO3	412	mg/L	10.0	05/08/25 11:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	412	mg/L	10.0	05/08/25 11:01	
SM 2540C	Total Dissolved Solids	497	mg/L	10.0	04/30/25 09:13	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/06/25 12:42	H3
EPA 353.2	Nitrogen, Nitrate	1.4	mg/L	0.10	04/29/25 15:25	
50399911002	**MW-22D**					
EPA 9056	Chloride	19.6	mg/L	0.25	04/30/25 22:26	
EPA 9056	Sulfate	45.6	mg/L	0.25	04/30/25 22:26	
EPA 6010	Calcium	74700	ug/L	1000	04/29/25 09:29	
EPA 6010	Iron	1090	ug/L	100	04/29/25 09:29	
EPA 6010	Magnesium	23000	ug/L	1000	04/29/25 09:29	
EPA 6010	Manganese	290	ug/L	10.0	04/29/25 09:29	
EPA 6010	Potassium	1880	ug/L	1000	04/29/25 09:29	
EPA 6010	Sodium	9710	ug/L	1000	04/29/25 09:29	
EPA 6020	Arsenic	4.3	ug/L	1.0	05/01/25 10:28	
EPA 6020	Barium	97.9	ug/L	1.0	05/01/25 10:28	
EPA 903.1	Radium-226	0.108 ± 0.655 (1.22) C:NA T:94%	pCi/L		05/22/25 15:39	
EPA 904.0	Radium-228	0.809 ± 0.435 (0.771) C:75% T:85%	pCi/L		05/21/25 14:57	
Total Radium Calculation	Total Radium	0.917 ± 1.09 (1.99)	pCi/L		05/27/25 17:15	
SM 2320B	Alkalinity, Total as CaCO3	252	mg/L	10.0	05/08/25 11:01	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399911002	**MW-22D**					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	252	mg/L	10.0	05/08/25 11:01	
SM 2540C	Total Dissolved Solids	309	mg/L	10.0	04/30/25 09:13	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	05/06/25 12:54	H3
EPA 353.2	Nitrogen, Nitrate	0.11	mg/L	0.10	04/29/25 15:44	
SM 5310C	Dissolved Organic Carbon	3.7	mg/L	1.0	05/06/25 18:41	
50399911003	**MW-22I**					
EPA 9056	Chloride	10.0	mg/L	0.25	04/30/25 22:59	
EPA 9056	Sulfate	28.8	mg/L	0.25	04/30/25 22:59	
EPA 6010	Calcium	92000	ug/L	1000	04/29/25 09:32	
EPA 6010	Iron	352	ug/L	100	04/29/25 09:32	
EPA 6010	Magnesium	26400	ug/L	1000	04/29/25 09:32	
EPA 6010	Manganese	269	ug/L	10.0	04/29/25 09:32	
EPA 6010	Potassium	1600	ug/L	1000	04/29/25 09:32	
EPA 6010	Sodium	6330	ug/L	1000	04/29/25 09:32	
EPA 6020	Barium	59.6	ug/L	1.0	05/01/25 10:32	
EPA 6020	Selenium	7.9	ug/L	1.0	05/01/25 10:32	
EPA 903.1	Radium-226	0.507 ± 0.632 (1.05) C:NA T:94%	pCi/L		05/22/25 15:39	
EPA 904.0	Radium-228	0.0840 ± 0.343 (0.777) C:79% T:85%	pCi/L		05/21/25 14:57	
Total Radium Calculation	Total Radium	0.591 ± 0.975 (1.83)	pCi/L		05/27/25 17:15	
SM 2320B	Alkalinity, Total as CaCO3	289	mg/L	10.0	05/08/25 11:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	289	mg/L	10.0	05/08/25 11:01	
SM 2540C	Total Dissolved Solids	340	mg/L	10.0	04/30/25 09:13	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	05/06/25 12:58	H3
EPA 353.2	Nitrogen, Nitrate	6.3	mg/L	0.20	04/29/25 15:45	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22S **Lab ID: 50399911001** Collected: 04/28/25 10:20 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**40.1**	mg/L	2.5	1.3	10		04/30/25 21:52	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.016	1		04/30/25 21:36	16984-48-8	
Sulfate	**38.7**	mg/L	0.25	0.19	1		04/30/25 21:36	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/29/25 00:23	04/29/25 09:27	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/29/25 00:23	04/29/25 09:27	7440-43-9	
Calcium	**125000**	ug/L	1000	83.9	1	04/29/25 00:23	04/29/25 09:27	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/29/25 00:23	04/29/25 09:27	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/29/25 00:23	04/29/25 09:27	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/29/25 00:23	04/29/25 09:27	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/29/25 00:23	04/29/25 09:27	7439-93-2	
Magnesium	**30400**	ug/L	1000	53.7	1	04/29/25 00:23	04/29/25 09:27	7439-95-4	
Manganese	**880**	ug/L	10.0	0.77	1	04/29/25 00:23	04/29/25 09:27	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/29/25 00:23	04/29/25 09:27	7439-98-7	
Potassium	**1650**	ug/L	1000	113	1	04/29/25 00:23	04/29/25 09:27	7440-09-7	
Sodium	**28300**	ug/L	1000	95.0	1	04/29/25 00:23	04/29/25 09:27	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	05/01/25 08:56	05/02/25 12:32	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/30/25 15:14	05/01/25 10:25	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/30/25 15:14	05/01/25 10:25	7440-38-2	
Barium	**48.3**	ug/L	1.0	0.11	1	04/30/25 15:14	05/01/25 10:25	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/30/25 15:14	05/01/25 10:25	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/30/25 15:14	05/01/25 10:25	7440-48-4	
Selenium	**2.1**	ug/L	1.0	0.26	1	04/30/25 15:14	05/01/25 10:25	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/30/25 15:14	05/01/25 10:25	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/06/25 19:39	05/07/25 10:11	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**412**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Bicarbonate (CaCO3)	**412**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/25 11:01		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22S **Lab ID: 50399911001** Collected: 04/28/25 10:20 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**497**	mg/L	10.0	10.0	1		04/30/25 09:13		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		05/06/25 12:42		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**1.4**	mg/L	0.10	0.013	1		04/29/25 15:25	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/06/25 18:21		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22D **Lab ID: 50399911002** Collected: 04/28/25 14:40 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**19.6**	mg/L	0.25	0.13	1		04/30/25 22:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/30/25 22:26	16984-48-8	
Sulfate	**45.6**	mg/L	0.25	0.19	1		04/30/25 22:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/29/25 00:23	04/29/25 09:29	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/29/25 00:23	04/29/25 09:29	7440-43-9	
Calcium	**74700**	ug/L	1000	83.9	1	04/29/25 00:23	04/29/25 09:29	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/29/25 00:23	04/29/25 09:29	7440-47-3	
Iron	**1090**	ug/L	100	41.0	1	04/29/25 00:23	04/29/25 09:29	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/29/25 00:23	04/29/25 09:29	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/29/25 00:23	04/29/25 09:29	7439-93-2	
Magnesium	**23000**	ug/L	1000	53.7	1	04/29/25 00:23	04/29/25 09:29	7439-95-4	
Manganese	**290**	ug/L	10.0	0.77	1	04/29/25 00:23	04/29/25 09:29	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/29/25 00:23	04/29/25 09:29	7439-98-7	
Potassium	**1880**	ug/L	1000	113	1	04/29/25 00:23	04/29/25 09:29	7440-09-7	
Sodium	**9710**	ug/L	1000	95.0	1	04/29/25 00:23	04/29/25 09:29	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	05/01/25 08:56	05/02/25 12:35	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/30/25 15:14	05/01/25 10:28	7440-36-0	
Arsenic	**4.3**	ug/L	1.0	0.080	1	04/30/25 15:14	05/01/25 10:28	7440-38-2	
Barium	**97.9**	ug/L	1.0	0.11	1	04/30/25 15:14	05/01/25 10:28	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/30/25 15:14	05/01/25 10:28	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/30/25 15:14	05/01/25 10:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	04/30/25 15:14	05/01/25 10:28	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/30/25 15:14	05/01/25 10:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/06/25 19:39	05/07/25 10:13	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**252**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Bicarbonate (CaCO3)	**252**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/25 11:01		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22D **Lab ID: 50399911002** Collected: 04/28/25 14:40 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**309**	mg/L	10.0	10.0	1		04/30/25 09:13		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		05/06/25 12:54		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.11**	mg/L	0.10	0.013	1		04/29/25 15:44	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.7**	mg/L	1.0	0.30	1		05/06/25 18:41		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22I **Lab ID: 50399911003** Collected: 04/28/25 15:15 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	**10.0**	mg/L	0.25	0.13	1		04/30/25 22:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		04/30/25 22:59	16984-48-8	
Sulfate	**28.8**	mg/L	0.25	0.19	1		04/30/25 22:59	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/29/25 00:23	04/29/25 09:32	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/29/25 00:23	04/29/25 09:32	7440-43-9	
Calcium	**92000**	ug/L	1000	83.9	1	04/29/25 00:23	04/29/25 09:32	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/29/25 00:23	04/29/25 09:32	7440-47-3	
Iron	**352**	ug/L	100	41.0	1	04/29/25 00:23	04/29/25 09:32	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/29/25 00:23	04/29/25 09:32	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/29/25 00:23	04/29/25 09:32	7439-93-2	
Magnesium	**26400**	ug/L	1000	53.7	1	04/29/25 00:23	04/29/25 09:32	7439-95-4	
Manganese	**269**	ug/L	10.0	0.77	1	04/29/25 00:23	04/29/25 09:32	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/29/25 00:23	04/29/25 09:32	7439-98-7	
Potassium	**1600**	ug/L	1000	113	1	04/29/25 00:23	04/29/25 09:32	7440-09-7	
Sodium	**6330**	ug/L	1000	95.0	1	04/29/25 00:23	04/29/25 09:32	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	05/01/25 08:56	05/02/25 12:37	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	04/30/25 15:14	05/01/25 10:32	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	04/30/25 15:14	05/01/25 10:32	7440-38-2	
Barium	**59.6**	ug/L	1.0	0.11	1	04/30/25 15:14	05/01/25 10:32	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	04/30/25 15:14	05/01/25 10:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	04/30/25 15:14	05/01/25 10:32	7440-48-4	
Selenium	**7.9**	ug/L	1.0	0.26	1	04/30/25 15:14	05/01/25 10:32	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	04/30/25 15:14	05/01/25 10:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/06/25 19:39	05/07/25 10:16	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**289**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Bicarbonate (CaCO3)	**289**	mg/L	10.0	10.0	1		05/08/25 11:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/25 11:01		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22I **Lab ID: 50399911003** Collected: 04/28/25 15:15 Received: 04/28/25 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**340**	mg/L	10.0	10.0	1		04/30/25 09:13		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		05/06/25 12:58		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**6.3**	mg/L	0.20	0.026	2		04/29/25 15:45	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/06/25 19:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 841036
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3849347 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	05/01/25 07:23	
Fluoride	mg/L	ND	0.10	0.016	05/01/25 07:23	
Sulfate	mg/L	ND	0.25	0.19	05/01/25 07:23	

LABORATORY CONTROL SAMPLE: 3849348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	93	80-120	
Fluoride	mg/L	1	0.98	98	80-120	
Sulfate	mg/L	5	4.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849349 3849350

Parameter	Units	50399853001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	33.4	25	25	55.1	55.0	87	86	80-120	0	15	
Fluoride	mg/L	0.64	1	1	1.6	1.6	96	96	80-120	0	15	
Sulfate	mg/L	35.5	5	5	40.4	40.4	97	97	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 842086
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3854024 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/07/25 09:07	

LABORATORY CONTROL SAMPLE: 3854025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3854026 3854027

Parameter	Units	50399853001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.8	96	97	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3854028 3854029

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.8	99	96	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 840875
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3848722 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/29/25 08:46	
Cadmium	ug/L	ND	2.0	0.46	04/29/25 08:46	
Calcium	ug/L	ND	1000	83.9	04/29/25 08:46	
Chromium	ug/L	ND	10.0	0.96	04/29/25 08:46	
Iron	ug/L	ND	100	41.0	04/29/25 08:46	
Lead	ug/L	ND	10.0	2.0	04/29/25 08:46	
Lithium	ug/L	ND	20.0	3.8	04/29/25 08:46	
Magnesium	ug/L	ND	1000	53.7	04/29/25 08:46	
Manganese	ug/L	ND	10.0	0.77	04/29/25 08:46	
Molybdenum	ug/L	ND	10.0	1.4	04/29/25 08:46	
Potassium	ug/L	ND	1000	113	04/29/25 08:46	
Sodium	ug/L	ND	1000	95.0	04/29/25 08:46	

LABORATORY CONTROL SAMPLE: 3848723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	965	96	80-120	
Cadmium	ug/L	1000	952	95	80-120	
Calcium	ug/L	10000	9920	99	80-120	
Chromium	ug/L	1000	981	98	80-120	
Iron	ug/L	10000	9750	97	80-120	
Lead	ug/L	1000	918	92	80-120	
Lithium	ug/L	1000	980	98	80-120	
Magnesium	ug/L	10000	9670	97	80-120	
Manganese	ug/L	1000	945	95	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9690	97	80-120	
Sodium	ug/L	10000	9640	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848724 3848725

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1080	1080	99	98	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	941	960	94	96	75-125	2	20	
Calcium	ug/L	69100	10000	10000	81100	81200	120	122	75-125	0	20	
Chromium	ug/L	ND	1000	1000	960	967	96	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848724 3848725

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	827	10000	10000	10500	10500	97	97	75-125	0	20	
Lead	ug/L	ND	1000	1000	891	906	89	91	75-125	2	20	
Lithium	ug/L	ND	1000	1000	965	977	95	96	75-125	1	20	
Magnesium	ug/L	23100	10000	10000	33200	33200	102	102	75-125	0	20	
Manganese	ug/L	127	1000	1000	1060	1060	93	93	75-125	0	20	
Molybdenum	ug/L	10.1	1000	1000	1010	1030	100	102	75-125	2	20	
Potassium	ug/L	3500	10000	10000	13000	13200	95	97	75-125	2	20	
Sodium	ug/L	41100	10000	10000	50800	51500	97	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 840931
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3848911 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	05/02/25 11:58	

LABORATORY CONTROL SAMPLE: 3848912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	984	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3848913 3848914

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	10.3	1000	1000	1010	1020	100	101	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 840976
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3849044 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	05/01/25 08:02	
Arsenic	ug/L	ND	1.0	0.080	05/01/25 08:02	
Barium	ug/L	ND	1.0	0.11	05/01/25 08:02	
Beryllium	ug/L	ND	0.20	0.026	05/01/25 08:02	
Cobalt	ug/L	ND	1.0	0.045	05/01/25 08:02	
Selenium	ug/L	ND	1.0	0.26	05/01/25 08:02	
Thallium	ug/L	ND	1.0	0.052	05/01/25 08:02	

LABORATORY CONTROL SAMPLE: 3849045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.5	104	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Barium	ug/L	40	39.1	98	80-120	
Beryllium	ug/L	40	37.7	94	80-120	
Cobalt	ug/L	40	41.2	103	80-120	
Selenium	ug/L	40	40.2	100	80-120	
Thallium	ug/L	40	41.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849046 3849047

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	42.2	42.7	105	107	75-125	1	20	
Arsenic	ug/L	2.6	40	40	40.8	40.9	95	96	75-125	0	20	
Barium	ug/L	109	40	40	146	146	94	94	75-125	0	20	
Beryllium	ug/L	ND	40	40	38.2	38.1	95	95	75-125	0	20	
Cobalt	ug/L	ND	40	40	39.7	39.6	99	99	75-125	0	20	
Selenium	ug/L	ND	40	40	38.1	38.8	95	97	75-125	2	20	
Thallium	ug/L	ND	40	40	42.9	43.1	107	108	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 842483
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3856148 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/08/25 11:01	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/25 11:01	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/25 11:01	

LABORATORY CONTROL SAMPLE: 3856149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.6	99	90-110	

SAMPLE DUPLICATE: 3856150

Parameter	Units	50399843007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	317	318	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	317	318	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3856151

Parameter	Units	50399910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	300	296	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	300	296	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 841114
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3849613 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	04/30/25 09:07	

LABORATORY CONTROL SAMPLE: 3849614

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	80-120	

SAMPLE DUPLICATE: 3849615

Parameter	Units	50399853003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	549	556	1	10	

SAMPLE DUPLICATE: 3849616

Parameter	Units	50399910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	383	377	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 842071
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

SAMPLE DUPLICATE: 3853994

Parameter	Units	50400346001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3853995

Parameter	Units	50399910001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.8	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 840999
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3849145 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/29/25 14:20	

LABORATORY CONTROL SAMPLE: 3849146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849147 3849148

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	104	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849149 3849150

Parameter	Units	50399908003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	3.5	2	2	5.6	5.6	106	106	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 841467
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3851432 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	05/03/25 01:34	

LABORATORY CONTROL SAMPLE: 3851433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851434 3851435

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.1	10.0	98	98	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851436 3851437

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.1	10	10	10.9	11.0	98	99	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851438 3851439

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.3	96	96	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22S **Lab ID: 50399911001** Collected: 04/28/25 10:20 Received: 04/28/25 17:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.271 ± 0.487 (0.859) C:NA T:91%**	pCi/L	05/22/25 15:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.446 ± 0.346 (0.670) C:74% T:85%**	pCi/L	05/21/25 14:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.717 ± 0.833 (1.53)**	pCi/L	05/27/25 17:15	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22D **Lab ID: 50399911002** Collected: 04/28/25 14:40 Received: 04/28/25 17:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.108 ± 0.655 (1.22) C:NA T:94%**	pCi/L	05/22/25 15:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.809 ± 0.435 (0.771) C:75% T:85%**	pCi/L	05/21/25 14:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.917 ± 1.09 (1.99)**	pCi/L	05/27/25 17:15	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Sample: MW-22I **Lab ID: 50399911003** Collected: 04/28/25 15:15 Received: 04/28/25 17:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.507 ± 0.632 (1.05) C:NA T:94%**	pCi/L	05/22/25 15:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.0840 ± 0.343 (0.777) C:79% T:85%**	pCi/L	05/21/25 14:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.591 ± 0.975 (1.83)**	pCi/L	05/27/25 17:15	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 744327
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3623082
Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.238 ± 0.346 (0.744) C:78% T:77%	pCi/L	05/27/25 12:54	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

QC Batch: 744328
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399911001, 50399911002, 50399911003

METHOD BLANK: 3623084 Matrix: Water
Associated Lab Samples: 50399911001, 50399911002, 50399911003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0816 ± 0.186 (0.439) C:NA T:96%	pCi/L	05/22/25 15:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R3
Pace Project No.: 50399911

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399911001	**MW-22S**	EPA 9056	841036		
50399911002	**MW-22D**	EPA 9056	841036		
50399911003	**MW-22I**	EPA 9056	841036		
50399911001	**MW-22S**	EPA 3010	840875	EPA 6010	840906
50399911002	**MW-22D**	EPA 3010	840875	EPA 6010	840906
50399911003	**MW-22I**	EPA 3010	840875	EPA 6010	840906
50399911001	**MW-22S**	EPA 3010	840931	EPA 6010	841631
50399911002	**MW-22D**	EPA 3010	840931	EPA 6010	841631
50399911003	**MW-22I**	EPA 3010	840931	EPA 6010	841631
50399911001	**MW-22S**	EPA 200.2	840976	EPA 6020	841301
50399911002	**MW-22D**	EPA 200.2	840976	EPA 6020	841301
50399911003	**MW-22I**	EPA 200.2	840976	EPA 6020	841301
50399911001	**MW-22S**	EPA 7470	842086	EPA 7470	842222
50399911002	**MW-22D**	EPA 7470	842086	EPA 7470	842222
50399911003	**MW-22I**	EPA 7470	842086	EPA 7470	842222
50399911001	**MW-22S**	EPA 903.1	744328		
50399911002	**MW-22D**	EPA 903.1	744328		
50399911003	**MW-22I**	EPA 903.1	744328		
50399911001	**MW-22S**	EPA 904.0	744327		
50399911002	**MW-22D**	EPA 904.0	744327		
50399911003	**MW-22I**	EPA 904.0	744327		
50399911001	**MW-22S**	Total Radium Calculation	748130		
50399911002	**MW-22D**	Total Radium Calculation	748130		
50399911003	**MW-22I**	Total Radium Calculation	748130		
50399911001	**MW-22S**	SM 2320B	842483		
50399911002	**MW-22D**	SM 2320B	842483		
50399911003	**MW-22I**	SM 2320B	842483		
50399911001	**MW-22S**	SM 2540C	841114		
50399911002	**MW-22D**	SM 2540C	841114		
50399911003	**MW-22I**	SM 2540C	841114		
50399911001	**MW-22S**	SM 4500-H+B	842071		
50399911002	**MW-22D**	SM 4500-H+B	842071		
50399911003	**MW-22I**	SM 4500-H+B	842071		
50399911001	**MW-22S**	EPA 353.2	840999		
50399911002	**MW-22D**	EPA 353.2	840999		
50399911003	**MW-22I**	EPA 353.2	840999		
50399911001	**MW-22S**	SM 5310C	841467		
50399911002	**MW-22D**	SM 5310C	841467		
50399911003	**MW-22I**	SM 5310C	841467		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 50399911

50399911

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R3	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
MW-22S	GW	G			4-28-25	1020	9			X	X	X	X	X	X	X	X	X	
MW-22D	GW	G			4-28-25	1440	9			X	X	X	X	X	X	X	X	X	
MW-22I	GW	G			4-28-25	1515	9			X	X	X	X	X	X	X	X	✓	

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**
AcctNum / Client ID:
Table #:
Profile / Template: **10498/69**
Prelog / Bottle Ord. ID: **EZ 3239339**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By:
(Printed Name) Mykah Bertram / Mo Bazlamit
Signature: MB / MB

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	D	-.1	0.7	0.6	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
MB ATLAS	4-28-25 1700	DD/Pace	4/28/25 17:00	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/28/25 17:28 JG

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C (D) E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 0.7/0.6 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No (leave blank if no seals were present)

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—
Short Hold Time Analysis (48 hours or less)? Analysis: 353.2 Nitrate	—	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		—
Custody Signatures Present?	—	
Containers Intact?:	—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: ~~HNO3 (<2)~~ (H2SO4 (<2)) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	—		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A —
Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Trip Blank Present?		~	
Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			

Comments:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU	BG1U	MeOH (soil)	SBS	DI	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																																		HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1																2				2	1	2	1	1									WT	✓	✓		
2																↓				↓	↓	↓	↓	↓									↓	↓	↓		
3																↓				↓	↓	↓	↓	↓									↓	↓	↓		
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Dear Mr. Breting:

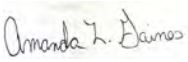
Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Mohammed Bazlamit, Atlas
Mr. Robert Miller, Haley & Aldrich

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50399969001	**FIELD BLANK 3**	Water	04/29/25 11:15	04/29/25 13:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50399969001	**FIELD BLANK 3**	EPA 9056	ZM	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	GC	1	PASI-I
		EPA 6020	MTM	7	PASI-I
		EPA 7470	EEM	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	MED1	1	PASI-I
		SM 4500-H+B	MDW	1	PASI-I
		EPA 353.2	KCS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50399969001	**FIELD BLANK 3**					
EPA 903.1	Radium-226	0.317 ± 0.670 (1.19) C:NA T:94%	pCi/L		05/16/25 14:47	
EPA 904.0	Radium-228	0.434 ± 0.469 (0.983) C:86% T:86%	pCi/L		05/19/25 15:52	
Total Radium Calculation	Total Radium	0.751 ± 1.14 (2.17)	pCi/L		05/20/25 13:58	
SM 4500-H+B	pH at 25 Degrees C	6.6	Std. Units	0.10	05/06/25 13:44	H3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Sample: FIELD BLANK 3 **Lab ID: 50399969001** Collected: 04/29/25 11:15 Received: 04/29/25 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Chloride	ND	mg/L	0.25	0.13	1		05/01/25 00:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.016	1		05/01/25 00:57	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		05/01/25 00:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Boron	ND	ug/L	100	5.6	1	04/29/25 17:06	04/30/25 01:35	7440-42-8	
Cadmium	ND	ug/L	2.0	0.46	1	04/29/25 17:06	04/30/25 01:35	7440-43-9	
Calcium	ND	ug/L	1000	83.9	1	04/29/25 17:06	04/30/25 01:35	7440-70-2	
Chromium	ND	ug/L	10.0	0.96	1	04/29/25 17:06	04/30/25 01:35	7440-47-3	
Iron	ND	ug/L	100	41.0	1	04/29/25 17:06	04/30/25 01:35	7439-89-6	
Lead	ND	ug/L	10.0	2.0	1	04/29/25 17:06	04/30/25 01:35	7439-92-1	
Lithium	ND	ug/L	20.0	3.8	1	04/29/25 17:06	04/30/25 01:35	7439-93-2	
Magnesium	ND	ug/L	1000	53.7	1	04/29/25 17:06	04/30/25 01:35	7439-95-4	
Manganese	ND	ug/L	10.0	0.77	1	04/29/25 17:06	04/30/25 01:35	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.4	1	04/29/25 17:06	04/30/25 01:35	7439-98-7	
Potassium	ND	ug/L	1000	113	1	04/29/25 17:06	04/30/25 01:35	7440-09-7	
Sodium	ND	ug/L	1000	95.0	1	04/29/25 17:06	04/30/25 01:35	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	ND	ug/L	10.0	1.4	1	05/04/25 16:41	05/05/25 23:15	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	ND	ug/L	1.0	0.19	1	05/01/25 09:30	05/02/25 07:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.080	1	05/01/25 09:30	05/02/25 07:10	7440-38-2	
Barium	ND	ug/L	1.0	0.11	1	05/01/25 09:30	05/02/25 07:10	7440-39-3	
Beryllium	ND	ug/L	0.20	0.026	1	05/01/25 09:30	05/02/25 07:10	7440-41-7	
Cobalt	ND	ug/L	1.0	0.045	1	05/01/25 09:30	05/02/25 07:10	7440-48-4	
Selenium	ND	ug/L	1.0	0.26	1	05/01/25 09:30	05/02/25 07:10	7782-49-2	
Thallium	ND	ug/L	1.0	0.052	1	05/01/25 09:30	05/02/25 07:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.085	1	05/07/25 09:25	05/07/25 19:34	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	ND	mg/L	10.0	10.0	1		05/09/25 10:28		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/25 10:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/25 10:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Sample: FIELD BLANK 3 **Lab ID: 50399969001** Collected: 04/29/25 11:15 Received: 04/29/25 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		05/01/25 08:37		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.6**	Std. Units	0.10	0.10	1		05/06/25 13:44		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.013	1		04/29/25 15:47	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.30	1		05/06/25 19:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 841036
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3849347 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.13	05/01/25 07:23	
Fluoride	mg/L	ND	0.10	0.016	05/01/25 07:23	
Sulfate	mg/L	ND	0.25	0.19	05/01/25 07:23	

LABORATORY CONTROL SAMPLE: 3849348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.3	93	80-120	
Fluoride	mg/L	1	0.98	98	80-120	
Sulfate	mg/L	5	4.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849349 3849350

Parameter	Units	50399853001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	33.4	25	25	55.1	55.0	87	86	80-120	0	15	
Fluoride	mg/L	0.64	1	1	1.6	1.6	96	96	80-120	0	15	
Sulfate	mg/L	35.5	5	5	40.4	40.4	97	97	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 842203
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3854651 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.085	05/07/25 19:10	

LABORATORY CONTROL SAMPLE: 3854652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.3	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3854653 3854654

Parameter	Units	50400021003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.00020 mg/L	5	5	5.1	5.0	101	99	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 841041
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3849366 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	ug/L	ND	100	5.6	04/30/25 00:26	
Cadmium	ug/L	ND	2.0	0.46	04/30/25 00:26	
Calcium	ug/L	ND	1000	83.9	04/30/25 00:26	
Chromium	ug/L	ND	10.0	0.96	04/30/25 00:26	
Iron	ug/L	ND	100	41.0	04/30/25 00:26	
Lead	ug/L	ND	10.0	2.0	04/30/25 00:26	
Lithium	ug/L	ND	20.0	3.8	04/30/25 00:26	
Magnesium	ug/L	ND	1000	53.7	04/30/25 00:26	
Manganese	ug/L	ND	10.0	0.77	04/30/25 00:26	
Molybdenum	ug/L	ND	10.0	1.4	04/30/25 00:26	
Potassium	ug/L	ND	1000	113	04/30/25 00:26	
Sodium	ug/L	ND	1000	95.0	04/30/25 00:26	

LABORATORY CONTROL SAMPLE: 3849367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	1000	973	97	80-120	
Cadmium	ug/L	1000	942	94	80-120	
Calcium	ug/L	10000	9730	97	80-120	
Chromium	ug/L	1000	965	96	80-120	
Iron	ug/L	10000	9610	96	80-120	
Lead	ug/L	1000	909	91	80-120	
Lithium	ug/L	1000	982	98	80-120	
Magnesium	ug/L	10000	9850	98	80-120	
Manganese	ug/L	1000	947	95	80-120	
Molybdenum	ug/L	1000	988	99	80-120	
Potassium	ug/L	10000	9690	97	80-120	
Sodium	ug/L	10000	9750	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849368 3849369

Parameter	Units	50399968001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	ND	1000	1000	1040	1060	97	100	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	945	939	94	94	75-125	1	20	
Calcium	ug/L	164000	10000	10000	169000	172000	48	82	75-125	2	20	P6
Chromium	ug/L	ND	1000	1000	929	948	93	95	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849368 3849369

Parameter	Units	50399968001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1300	10000	10000	10600	10800	93	95	75-125	2	20	
Lead	ug/L	ND	1000	1000	880	878	88	88	75-125	0	20	
Lithium	ug/L	ND	1000	1000	968	973	95	96	75-125	0	20	
Magnesium	ug/L	39800	10000	10000	48000	49100	82	93	75-125	2	20	
Manganese	ug/L	160	1000	1000	1070	1080	91	92	75-125	2	20	
Molybdenum	ug/L	16.9	1000	1000	1010	1010	99	99	75-125	0	20	
Potassium	ug/L	30800	10000	10000	40300	40700	95	99	75-125	1	20	
Sodium	ug/L	36200	10000	10000	45200	45500	89	93	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 841772
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3852979 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.4	05/05/25 23:08	

LABORATORY CONTROL SAMPLE: 3852980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	982	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3852981 3852982

Parameter	Units	50400259007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum, Dissolved	ug/L	0.032 mg/L	1000	1000	1040	1030	100	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 841269
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3850479 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.19	05/02/25 00:23	
Arsenic	ug/L	ND	1.0	0.080	05/02/25 00:23	
Barium	ug/L	ND	1.0	0.11	05/02/25 00:23	
Beryllium	ug/L	ND	0.20	0.026	05/02/25 00:23	
Cobalt	ug/L	ND	1.0	0.045	05/02/25 00:23	
Selenium	ug/L	ND	1.0	0.26	05/02/25 00:23	
Thallium	ug/L	ND	1.0	0.052	05/02/25 00:23	

LABORATORY CONTROL SAMPLE: 3850480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.9	105	80-120	
Arsenic	ug/L	40	40.0	100	80-120	
Barium	ug/L	40	40.5	101	80-120	
Beryllium	ug/L	40	38.5	96	80-120	
Cobalt	ug/L	40	39.7	99	80-120	
Selenium	ug/L	40	37.8	94	80-120	
Thallium	ug/L	40	41.6	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3850481 3850482

Parameter	Units	50399745003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	40	40	38.9	39.0	97	97	75-125	0	20	
Arsenic	ug/L	ND	40	40	39.3	39.5	92	92	75-125	0	20	
Barium	ug/L	34.7	40	40	73.4	74.1	97	99	75-125	1	20	
Beryllium	ug/L	ND	40	40	38.5	39.2	96	98	75-125	2	20	
Cobalt	ug/L	ND	40	40	38.2	38.6	94	95	75-125	1	20	
Selenium	ug/L	ND	40	40	38.7	39.6	96	98	75-125	2	20	
Thallium	ug/L	ND	40	40	41.2	41.7	103	104	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 842560
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50399969001

METHOD BLANK: 3856716 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/09/25 10:28	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/09/25 10:28	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/09/25 10:28	

LABORATORY CONTROL SAMPLE: 3856717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.3	101	90-110	

SAMPLE DUPLICATE: 3856718

Parameter	Units	50400292009 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	133	147	10	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	133	147	10	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3856719

Parameter	Units	50400013001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	208	207	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	195	195	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	12.8	12.8	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 841318
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3850781 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/01/25 07:52	

LABORATORY CONTROL SAMPLE: 3850782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	273	91	80-120	

SAMPLE DUPLICATE: 3850783

Parameter	Units	50399949001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1600	1570	2	10	

SAMPLE DUPLICATE: 3850784

Parameter	Units	50399949002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1470	1430	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 842071
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50399969001

SAMPLE DUPLICATE: 3853994

Parameter	Units	50400346001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3853995

Parameter	Units	50399910001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.8	1	2	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 840999
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3849145 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	04/29/25 14:20	

LABORATORY CONTROL SAMPLE: 3849146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849147 3849148

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1	1	1.0	1.0	104	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3849149 3849150

Parameter	Units	50399908003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	3.5	2	2	5.6	5.6	106	106	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 841467
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50399969001

METHOD BLANK: 3851432 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.30	05/03/25 01:34	

LABORATORY CONTROL SAMPLE: 3851433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851434 3851435

Parameter	Units	50399547003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.1	10.0	98	98	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851436 3851437

Parameter	Units	50399677001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	1.1	10	10	10.9	11.0	98	99	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851438 3851439

Parameter	Units	50399910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	ND	10	10	10.4	10.3	96	96	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Sample: FIELD BLANK 3 **Lab ID: 50399969001** Collected: 04/29/25 11:15 Received: 04/29/25 13:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.317 ± 0.670 (1.19) C:NA T:94%**	pCi/L	05/16/25 14:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.434 ± 0.469 (0.983) C:86% T:86%**	pCi/L	05/19/25 15:52	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.751 ± 1.14 (2.17)**	pCi/L	05/20/25 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 743036
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399969001

METHOD BLANK: 3615974 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.132 ± 0.310 (0.575) C:NA T:95%	pCi/L	05/16/25 14:21	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

QC Batch: 743038
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 50399969001

METHOD BLANK: 3615984 Matrix: Water
Associated Lab Samples: 50399969001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.586 ± 0.383 (0.723) C:81% T:89%	pCi/L	05/19/25 12:24	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Eagle Valley April 2025 P1R2
Pace Project No.: 50399969

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50399969001	**FIELD BLANK 3**	EPA 9056	841036		
50399969001	**FIELD BLANK 3**	EPA 3010	841041	EPA 6010	841089
50399969001	**FIELD BLANK 3**	EPA 3010	841772	EPA 6010	841985
50399969001	**FIELD BLANK 3**	EPA 200.2	841269	EPA 6020	841523
50399969001	**FIELD BLANK 3**	EPA 7470	842203	EPA 7470	842434
50399969001	**FIELD BLANK 3**	EPA 903.1	743036		
50399969001	**FIELD BLANK 3**	EPA 904.0	743038		
50399969001	**FIELD BLANK 3**	Total Radium Calculation	746857		
50399969001	**FIELD BLANK 3**	SM 2320B	842560		
50399969001	**FIELD BLANK 3**	SM 2540C	841318		
50399969001	**FIELD BLANK 3**	SM 4500-H+B	842071		
50399969001	**FIELD BLANK 3**	EPA 353.2	840999		
50399969001	**FIELD BLANK 3**	SM 5310C	841467		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50399969

50399969

Company Name:	Atlas Indianapolis	Contact/Report To:	Mark Breting
Street Address:	7988 Centerpoint Drive Suite 100 Indianapolis, IN 46256	Phone #:	579-4082
		E-Mail:	mark.breting@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Eagle Valley April 2025 P1R2	Invoice To:	Accounts Payable
		Invoice E-Mail:	paula.sedam@atcgs.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alk/Bicarb/Carb	4500H+ pH, Electrometric	2540C Total Dissolved Solids	353.2 Nitrogen, NO2/NO3 unpres	9056 IC Cl/F/SO4	5310C Dissolved Organic Carbon	6010 MET ICP, Dissolved	6010 MET ICP; 6020 MET ICPMS; 7470 Mercury	RAD226/228 + SUM to Pace PA	Sample Comment
Field Blank 3	GW	G	4/29/25	1115						X	X	X	X	X	X	X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Amanda Gaines**
AcctNum / Client ID:
Table #:
Profile / Template: **10498/69**
Prelog / Bottle Ord. ID: **EZ 3239337**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Please return samples on ice
Nitrate has a short 48 hour hold; please return/ship samples on the day of collection
6010: B/Cd/Cr/Fe/Pb/Mn/Mo/Ca/Mg/Na/K/Li - 6010 dissolved: Mo
6020: Be/Co/As/Se/Sb/Ba/Tl

Collected By: (Printed Name) Mykah Bertram
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	#1	-0.2	18.1	17.9	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATLAS	4/29/25 1300		4/29/25 1300	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 4/29/24 1312 MDW

1. Thermometer: (1) 2 3 4 5 6 7 8 9 A B C D E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 16.1/17.9 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes (No)

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap (Bubble Bags) None Other _____

4. Ice Type: (Wet) Blue None

5. Courier: Fed Ex UPS (Client) Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No (leave blank if no seals were present)

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis: Nitrate	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1335	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625/Rest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:		✓	
Extra labels on Terracore Vials? (soils only)			✓

Comments:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC										OTHER						Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
			SBS																													Red	Yellow	Green	Black
			DI																															
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Synnge Kit			Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1												2				2	1	2	1	1									SL	✓	✓		
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

APPENDIX C

Prediction Limits Backup Documentation

Appendix C.1.A– October 2024 Event – Shallow Zone
- Appendix C.1.A – False Positive and False Negative Rates
- Appendix C.1.A – Table C-1 Shallow Zone - Upgradient Data
- Appendix C.1.A – Table C-2 Shallow Zone - Downgradient Data
- Appendix C.1.A – Table C-3 Shallow Zone - Detection Frequencies
- Appendix C.1.A – Table C-4 Shallow Zone - Normality Test Results
- Appendix C.1.A – Table C-5 Shallow Zone - Prediction Limits
- Appendix C.1.A – Table C-6 Shallow Zone - Outlier Testing
- Appendix C.1.A – Table C-7 Shallow Zone - Historical Failure Data

Appendix C.1.B – October 2024 Event – Intermediate Zone
- Appendix C.1.B – False Positive and False Negative Rates
- Appendix C.1.B – Table C-1 Intermediate Zone - Upgradient Data
- Appendix C.1.B – Table C-2 Intermediate Zone - Downgradient Data
- Appendix C.1.B – Table C-3 Intermediate Zone - Detection Frequencies
- Appendix C.1.B – Table C-4 Intermediate Zone - Normality Test Results
- Appendix C.1.B – Table C-5 Intermediate Zone - Prediction Limits
- Appendix C.1.B – Table C-6 Intermediate Zone - Outlier Testing
- Appendix C.1.B – Table C-7 Intermediate Zone - Historical Failure Data

Appendix C.1.C – October 2024 Event – Deep Zone
- Appendix C.1.C – False Positive and False Negative Rates
- Appendix C.1.C – Table C-1 Deep Zone - Upgradient Data
- Appendix C.1.C – Table C-2 Deep Zone - Downgradient Data
- Appendix C.1.C – Table C-3 Deep Zone - Detection Frequencies
- Appendix C.1.C – Table C-4 Deep Zone - Normality Test Results
- Appendix C.1.C – Table C-5 Deep Zone - Prediction Limits
- Appendix C.1.C – Table C-6 Deep Zone - Outlier Testing
- Appendix C.1.C – Table C-7 Deep Zone - Historical Failure Data

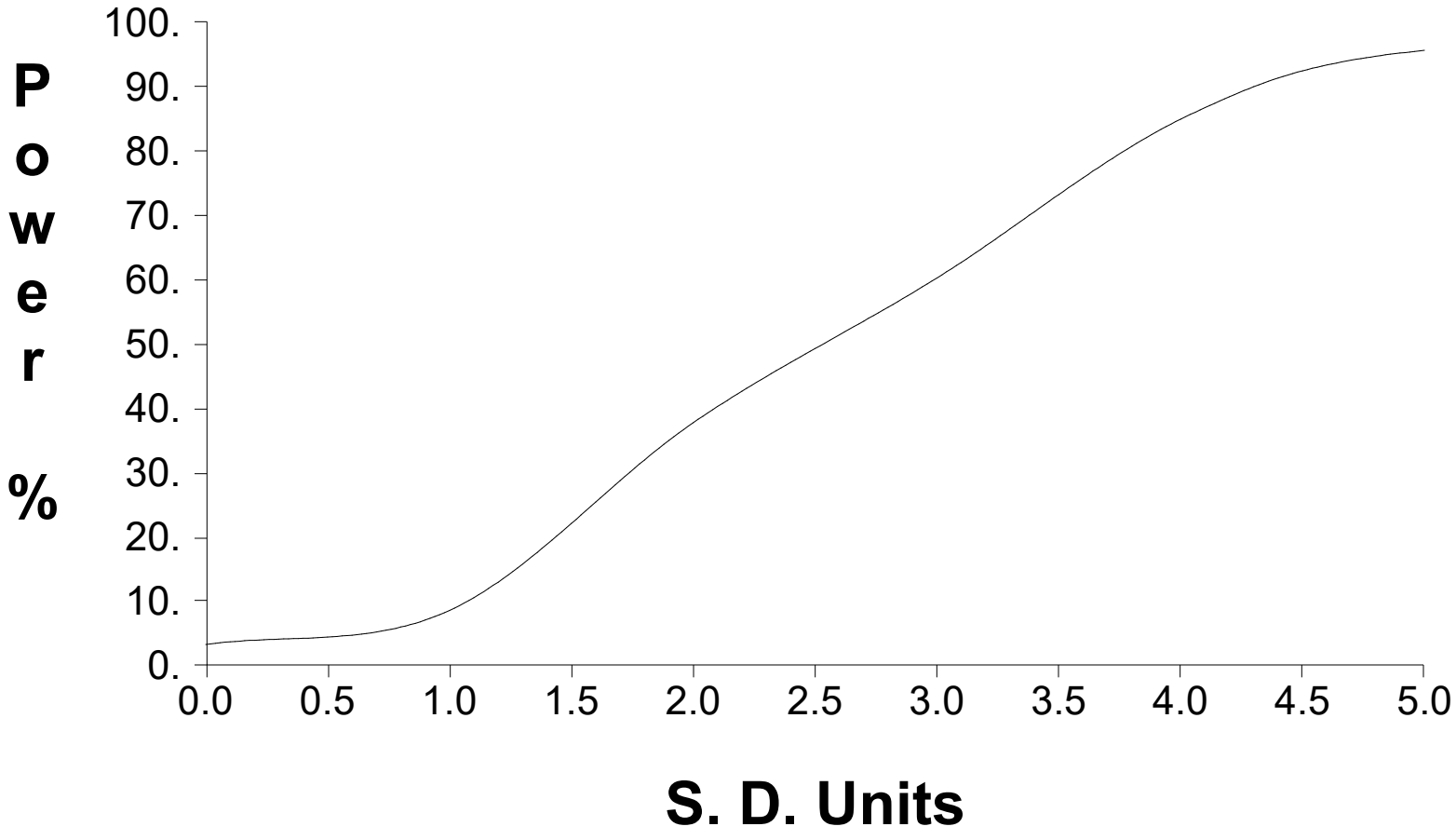
Appendix C.2.A– April 2025 Event – Shallow Zone
- Appendix C.2.A – False Positive and False Negative Rates

Appendix C.2.A – Table C-1 Shallow Zone - Upgradient Data
Appendix C.2.A – Table C-2 Shallow Zone - Downgradient Data
Appendix C.2.A – Table C-3 Shallow Zone - Detection Frequencies
Appendix C.2.A – Table C-4 Shallow Zone - Normality Test Results
Appendix C.2.A – Table C-5 Shallow Zone - Prediction Limits
Appendix C.2.A – Table C-6 Shallow Zone - Outlier Testing
Appendix C.2.A – Table C-7 Shallow Zone - Historical Failure Data

Appendix C.2.B – April 2025 Event – Intermediate Zone
Appendix C.2.B – False Positive and False Negative Rates
Appendix C.2.B – Table C-1 Intermediate Zone - Upgradient Data
Appendix C.2.B – Table C-2 Intermediate Zone - Downgradient Data
Appendix C.2.B – Table C-3 Intermediate Zone - Detection Frequencies
Appendix C.2.B – Table C-4 Intermediate Zone - Normality Test Results
Appendix C.2.B – Table C-5 Intermediate Zone - Prediction Limits
Appendix C.2.B – Table C-6 Intermediate Zone - Outlier Testing
Appendix C.2.B – Table C-7 Intermediate Zone - Historical Failure Data

Appendix C.2.C – April 2025 Event – Deep Zone
Appendix C.2.C – False Positive and False Negative Rates
Appendix C.2.C – Table C-1 Deep Zone - Upgradient Data
Appendix C.2.C – Table C-2 Deep Zone - Downgradient Data
Appendix C.2.C – Table C-3 Deep Zone - Detection Frequencies
Appendix C.2.C – Table C-4 Deep Zone - Normality Test Results
Appendix C.2.C – Table C-5 Deep Zone - Prediction Limits
Appendix C.2.C – Table C-6 Deep Zone - Outlier Testing
Appendix C.2.C – Table C-7 Deep Zone - Historical Failure Data

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

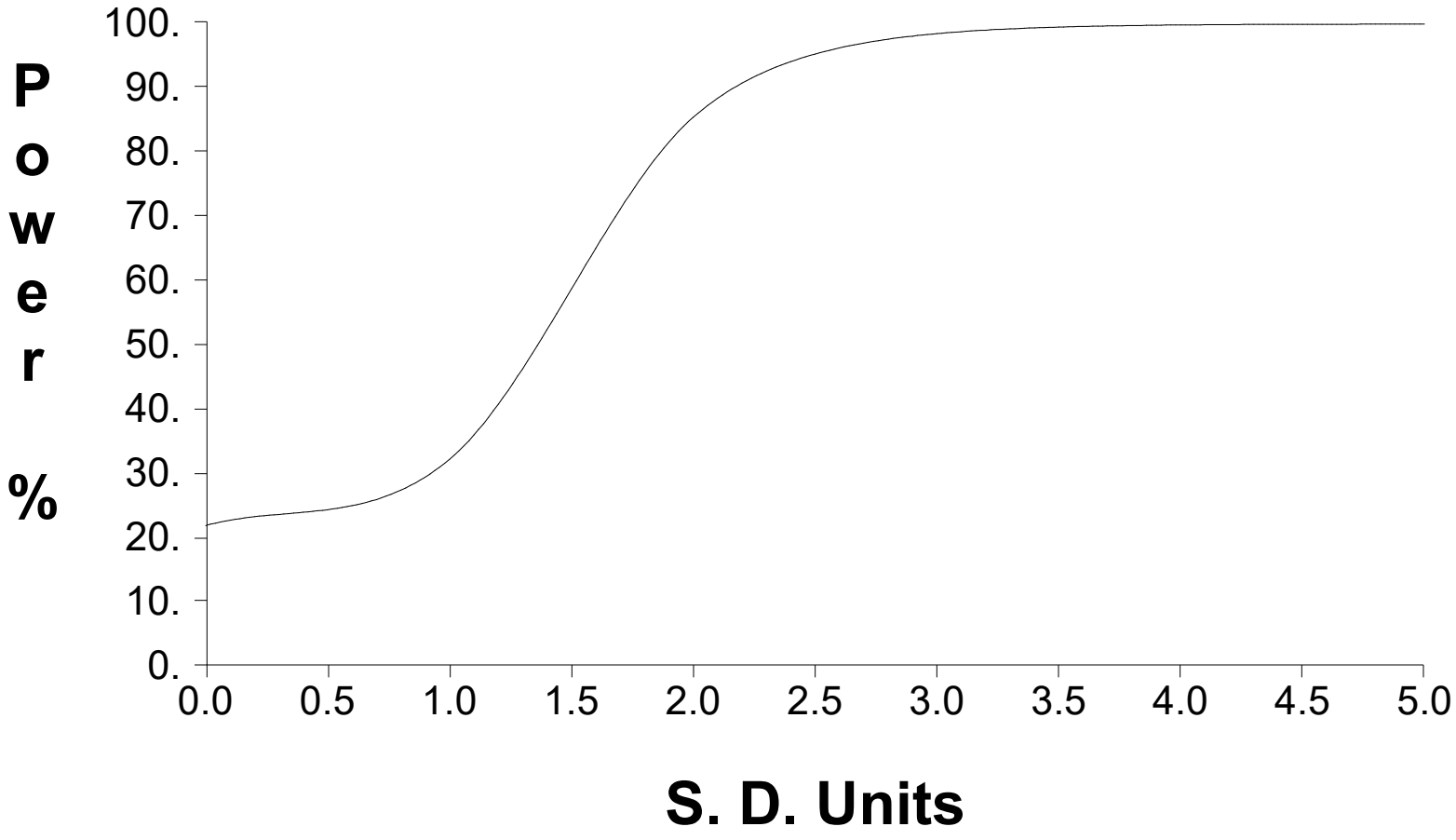


Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Boron, Total	ug/L	MW-13S	08/08/2019	ND	100.0000	
Boron, Total	ug/L	MW-13S	09/25/2019	ND	100.0000	
Boron, Total	ug/L	MW-13S	05/07/2020	ND	100.0000	
Boron, Total	ug/L	MW-13S	11/12/2020	ND	100.0000	
Boron, Total	ug/L	MW-13S	02/25/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	03/29/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	05/20/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	06/22/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	07/27/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	11/16/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	05/19/2022	ND	100.0000	
Boron, Total	ug/L	MW-13S	11/18/2022	ND	100.0000	
Boron, Total	ug/L	MW-13S	04/18/2023	ND	100.0000	
Boron, Total	ug/L	MW-13S	10/11/2023	ND	100.0000	
Boron, Total	ug/L	MW-13S	04/10/2024	ND	100.0000	
Boron, Total	ug/L	MW-13S	10/04/2024	ND	100.0000	
Calcium, Total	ug/L	MW-13S	08/08/2019		109000.0000	
Calcium, Total	ug/L	MW-13S	09/25/2019		106000.0000	
Calcium, Total	ug/L	MW-13S	05/07/2020		127000.0000	
Calcium, Total	ug/L	MW-13S	11/12/2020		103000.0000	
Calcium, Total	ug/L	MW-13S	02/25/2021		123000.0000	
Calcium, Total	ug/L	MW-13S	03/29/2021		134000.0000	
Calcium, Total	ug/L	MW-13S	05/20/2021		125000.0000	
Calcium, Total	ug/L	MW-13S	06/22/2021		107000.0000	
Calcium, Total	ug/L	MW-13S	07/27/2021		106000.0000	
Calcium, Total	ug/L	MW-13S	11/16/2021		114000.0000	
Calcium, Total	ug/L	MW-13S	05/19/2022		133000.0000	
Calcium, Total	ug/L	MW-13S	11/18/2022		112000.0000	
Calcium, Total	ug/L	MW-13S	04/18/2023		113000.0000	
Calcium, Total	ug/L	MW-13S	10/11/2023		105000.0000	
Calcium, Total	ug/L	MW-13S	04/10/2024		89900.0000	
Calcium, Total	ug/L	MW-13S	10/04/2024		101000.0000	
Chloride	mg/L	MW-13S	08/08/2019		22.5000	
Chloride	mg/L	MW-13S	09/25/2019		6.9000	
Chloride	mg/L	MW-13S	05/07/2020		40.7000	
Chloride	mg/L	MW-13S	11/12/2020		10.0000	
Chloride	mg/L	MW-13S	02/25/2021		13.7000	
Chloride	mg/L	MW-13S	03/29/2021		21.1000	
Chloride	mg/L	MW-13S	05/20/2021		21.6000	
Chloride	mg/L	MW-13S	06/22/2021		12.1000	
Chloride	mg/L	MW-13S	07/27/2021		9.5000	
Chloride	mg/L	MW-13S	11/16/2021		22.8000	
Chloride	mg/L	MW-13S	05/19/2022		42.2000	
Chloride	mg/L	MW-13S	11/18/2022		26.3000	
Chloride	mg/L	MW-13S	04/18/2023		50.6000	
Chloride	mg/L	MW-13S	10/11/2023		32.0000	
Chloride	mg/L	MW-13S	04/10/2024		25.8000	
Chloride	mg/L	MW-13S	10/04/2024		32.6000	
Fluoride	mg/L	MW-13S	08/08/2019	ND	0.1000	
Fluoride	mg/L	MW-13S	09/25/2019	ND	0.1000	
Fluoride	mg/L	MW-13S	05/07/2020	ND	0.1000	
Fluoride	mg/L	MW-13S	11/12/2020	ND	0.1000	
Fluoride	mg/L	MW-13S	02/25/2021	ND	0.1000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Fluoride	mg/L	MW-13S	03/29/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	05/20/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	06/22/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	07/27/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	11/16/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	05/19/2022	ND	0.1000	
Fluoride	mg/L	MW-13S	11/18/2022	ND	0.1000	
Fluoride	mg/L	MW-13S	04/18/2023	ND	0.1000	
Fluoride	mg/L	MW-13S	10/11/2023	ND	0.1000	
Fluoride	mg/L	MW-13S	04/10/2024	ND	0.1000	
Fluoride	mg/L	MW-13S	10/04/2024	ND	0.1000	
pH at 25 Degrees C	Std. Units	MW-13S	08/08/2019		7.0000	
pH at 25 Degrees C	Std. Units	MW-13S	09/25/2019		7.2000	
pH at 25 Degrees C	Std. Units	MW-13S	05/07/2020		7.5000	
pH at 25 Degrees C	Std. Units	MW-13S	11/12/2020		7.2000	
pH at 25 Degrees C	Std. Units	MW-13S	02/25/2021		7.1000	
pH at 25 Degrees C	Std. Units	MW-13S	03/29/2021		7.1000	
pH at 25 Degrees C	Std. Units	MW-13S	05/20/2021		7.4000	
pH at 25 Degrees C	Std. Units	MW-13S	06/22/2021		7.8000	
pH at 25 Degrees C	Std. Units	MW-13S	07/27/2021		7.3000	
pH at 25 Degrees C	Std. Units	MW-13S	11/16/2021		7.1000	
pH at 25 Degrees C	Std. Units	MW-13S	05/19/2022		7.1000	
pH at 25 Degrees C	Std. Units	MW-13S	11/18/2022		7.5000	
pH at 25 Degrees C	Std. Units	MW-13S	04/18/2023		7.5000	
pH at 25 Degrees C	Std. Units	MW-13S	10/11/2023		7.3000	
pH at 25 Degrees C	Std. Units	MW-13S	04/10/2024		7.4000	
pH at 25 Degrees C	Std. Units	MW-13S	10/04/2024		7.5000	
Sulfate	mg/L	MW-13S	08/08/2019		18.3000	
Sulfate	mg/L	MW-13S	09/25/2019		15.1000	
Sulfate	mg/L	MW-13S	05/07/2020		24.8000	
Sulfate	mg/L	MW-13S	11/12/2020		12.7000	
Sulfate	mg/L	MW-13S	02/25/2021		25.5000	
Sulfate	mg/L	MW-13S	03/29/2021		30.9000	
Sulfate	mg/L	MW-13S	05/20/2021		26.5000	
Sulfate	mg/L	MW-13S	06/22/2021		17.5000	
Sulfate	mg/L	MW-13S	07/27/2021		15.2000	
Sulfate	mg/L	MW-13S	11/16/2021		15.1000	
Sulfate	mg/L	MW-13S	05/19/2022		27.7000	
Sulfate	mg/L	MW-13S	11/18/2022		19.0000	
Sulfate	mg/L	MW-13S	04/18/2023		15.7000	
Sulfate	mg/L	MW-13S	10/11/2023		15.8000	
Sulfate	mg/L	MW-13S	04/10/2024		12.5000	
Sulfate	mg/L	MW-13S	10/04/2024		14.1000	
Total Dissolved Solids	mg/L	MW-13S	08/08/2019		442.0000	
Total Dissolved Solids	mg/L	MW-13S	09/25/2019		425.0000	
Total Dissolved Solids	mg/L	MW-13S	05/07/2020		479.0000	
Total Dissolved Solids	mg/L	MW-13S	11/12/2020		387.0000	
Total Dissolved Solids	mg/L	MW-13S	02/25/2021		501.0000	
Total Dissolved Solids	mg/L	MW-13S	03/29/2021		527.0000	
Total Dissolved Solids	mg/L	MW-13S	05/20/2021		480.0000	
Total Dissolved Solids	mg/L	MW-13S	06/22/2021		411.0000	
Total Dissolved Solids	mg/L	MW-13S	07/27/2021		427.0000	
Total Dissolved Solids	mg/L	MW-13S	11/16/2021		422.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Total Dissolved Solids	mg/L	MW-13S	05/19/2022		569.0000	
Total Dissolved Solids	mg/L	MW-13S	11/18/2022		480.0000	
Total Dissolved Solids	mg/L	MW-13S	04/18/2023		493.0000	
Total Dissolved Solids	mg/L	MW-13S	10/11/2023		475.0000	
Total Dissolved Solids	mg/L	MW-13S	04/10/2024		445.0000	
Total Dissolved Solids	mg/L	MW-13S	10/04/2024		447.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10S	04/17/2024		5760.0000	***	100.0000
Boron, Total	ug/L	MW-11S	10/15/2024		1530.0000	***	100.0000
Boron, Total	ug/L	MW-12S	10/01/2024		4600.0000	***	100.0000
Boron, Total	ug/L	MW-1S	10/15/2024		612.0000	***	100.0000
Boron, Total	ug/L	MW-2S	10/07/2024		373.0000	***	100.0000
Boron, Total	ug/L	MW-3S	10/07/2024		426.0000	***	100.0000
Boron, Total	ug/L	MW-6S	10/03/2024		6000.0000	***	100.0000
Boron, Total	ug/L	MW-7S	10/15/2024		2070.0000	***	100.0000
Calcium, Total	ug/L	MW-10S	04/17/2024		189000.0000	***	146000.9030
Calcium, Total	ug/L	MW-11S	10/15/2024		139000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	10/01/2024		154000.0000	***	146000.9030
Calcium, Total	ug/L	MW-1S	10/15/2024		123000.0000	**	146000.9030
Calcium, Total	ug/L	MW-2S	10/07/2024		129000.0000		146000.9030
Calcium, Total	ug/L	MW-3S	10/07/2024		93100.0000		146000.9030
Calcium, Total	ug/L	MW-6S	10/03/2024		147000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	10/15/2024		266000.0000	***	146000.9030
Chloride	mg/L	MW-10S	04/17/2024		51.9000	**	58.4868
Chloride	mg/L	MW-11S	10/15/2024		92.2000	*	58.4868
Chloride	mg/L	MW-12S	10/01/2024		46.4000		58.4868
Chloride	mg/L	MW-1S	10/15/2024		113.0000	*	58.4868
Chloride	mg/L	MW-2S	10/07/2024		129.0000	***	58.4868
Chloride	mg/L	MW-3S	10/07/2024		89.4000	***	58.4868
Chloride	mg/L	MW-6S	10/03/2024		25.0000		58.4868
Chloride	mg/L	MW-7S	10/15/2024		184.0000	***	58.4868
Fluoride	mg/L	MW-10S	04/17/2024		0.1300	***	0.1000
Fluoride	mg/L	MW-11S	10/15/2024		0.1400	***	0.1000
Fluoride	mg/L	MW-12S	10/01/2024		0.1700	***	0.1000
Fluoride	mg/L	MW-1S	10/15/2024		0.2100	***	0.1000
Fluoride	mg/L	MW-2S	10/07/2024		0.1900	***	0.1000
Fluoride	mg/L	MW-3S	10/07/2024		0.2700	***	0.1000
Fluoride	mg/L	MW-6S	10/03/2024		0.2500	***	0.1000
Fluoride	mg/L	MW-7S	10/15/2024	ND	0.1000		0.1000
pH at 25 Degrees C	Std. Units	MW-10S	04/17/2024		6.6000	*	6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-11S	10/15/2024		7.3000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-12S	10/01/2024		7.3000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-1S	10/15/2024		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-2S	10/07/2024		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	10/07/2024		7.4000	**	6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-6S	10/03/2024		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-7S	10/15/2024		7.1000		6.66 - 7.97
Sulfate	mg/L	MW-10S	04/17/2024		301.0000	***	34.9887
Sulfate	mg/L	MW-11S	10/15/2024		132.0000	***	34.9887
Sulfate	mg/L	MW-12S	10/01/2024		155.0000	***	34.9887
Sulfate	mg/L	MW-1S	10/15/2024		105.0000	***	34.9887
Sulfate	mg/L	MW-2S	10/07/2024		111.0000	***	34.9887
Sulfate	mg/L	MW-3S	10/07/2024		130.0000	***	34.9887
Sulfate	mg/L	MW-6S	10/03/2024		145.0000	***	34.9887
Sulfate	mg/L	MW-7S	10/15/2024		530.0000	***	34.9887
Total Dissolved Solids	mg/L	MW-10S	04/17/2024		880.0000	***	588.0363
Total Dissolved Solids	mg/L	MW-11S	10/15/2024		772.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	10/01/2024		802.0000	***	588.0363

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-1S	10/15/2024		705.0000	***	588.0363
Total Dissolved Solids	mg/L	MW-2S	10/07/2024		670.0000	***	588.0363
Total Dissolved Solids	mg/L	MW-3S	10/07/2024		583.0000	**	588.0363
Total Dissolved Solids	mg/L	MW-6S	10/03/2024		654.0000	***	588.0363
Total Dissolved Solids	mg/L	MW-7S	10/15/2024		1390.0000	***	588.0363

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Boron, Total	0	16	0.000	174	174	1.000
Calcium, Total	16	16	1.000	174	174	1.000
Chloride	16	16	1.000	173	174	0.994
Fluoride	0	16	0.000	160	174	0.920
pH at 25 Degrees C	16	16	1.000	174	174	1.000
Sulfate	16	16	1.000	174	174	1.000
Total Dissolved Solids	16	16	1.000	174	174	1.000

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub
Boron, Total	0	16	0.000	4.567	4.567				
Calcium, Total	16	16	1.000	0.153	0.067				
Chloride	16	16	1.000	0.093	0.028				
Fluoride	0	16	0.000	4.567	4.567				
pH at 25 Degrees C	16	16	1.000	0.773	0.686				
Sulfate	16	16	1.000	1.929	1.299				
Total Dissolved Solids	16	16	1.000	0.599	1.377				

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Crit Value	Dist Form	Model Type
2.326	non-norm	nonpar
2.326	normal	normal
2.326	normal	normal
2.326	non-norm	nonpar
2.326	normal	normal
2.326	normal	normal
2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit
Boron, Total	ug/L	0	16					100.0000
Calcium, Total	ug/L	16	16	112993.7500	12314.2448	0.0100	2.6804	146000.9030
Chloride	mg/L	16	16	24.4000	12.7170	0.0100	2.6804	58.4868
Fluoride	mg/L	0	16					0.1000
pH at 25 Degrees C	Std. Units	16	16	7.3125	0.2156	0.0100	3.0334	6.66 - 7.97
Sulfate	mg/L	16	16	19.1500	5.9091	0.0100	2.6804	34.9887
Total Dissolved Solids	mg/L	16	16	463.1250	46.6017	0.0100	2.6804	588.0363

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 5

Summary Statistics and Prediction Limits

Type		Conf
nonpar	***	0.95
normal		
normal		
nonpar	***	0.95
normal		
normal		
normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10S	04/21/2016		6920.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/31/2016		7200.0000	*	100.0000
Boron, Total	ug/L	MW-10S	08/11/2016		6130.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/29/2016		6360.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/30/2016		5790.0000	*	100.0000
Boron, Total	ug/L	MW-10S	01/30/2017		4840.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/24/2017		4010.0000	*	100.0000
Boron, Total	ug/L	MW-10S	08/09/2017		3190.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/28/2017		2580.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/23/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/11/2018		4770.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/07/2019		4350.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/07/2020		8460.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/11/2020		6840.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/21/2021		5970.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/12/2021		5770.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/18/2022		7250.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/04/2023		6300.0000	*	100.0000
Boron, Total	ug/L	MW-10S	04/17/2024		5760.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/20/2016		7700.0000	*	100.0000
Boron, Total	ug/L	MW-11S	06/02/2016		8370.0000	*	100.0000
Boron, Total	ug/L	MW-11S	08/12/2016		10100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/30/2016		10100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	12/01/2016		9910.0000	*	100.0000
Boron, Total	ug/L	MW-11S	01/31/2017		7750.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/25/2017		7100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	08/10/2017		7350.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/28/2017		7290.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/23/2018		6570.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/11/2018		5830.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/08/2019		6650.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/07/2020		5400.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/12/2020		4270.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/17/2021		3810.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/17/2021		5080.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/12/2022		4980.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/21/2022		3780.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/02/2023		1360.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/09/2024		807.0000	*	100.0000
Boron, Total	ug/L	MW-11S	10/15/2024		1530.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/20/2016		1820.0000	*	100.0000
Boron, Total	ug/L	MW-12S	06/01/2016		1720.0000	*	100.0000
Boron, Total	ug/L	MW-12S	08/11/2016		2450.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/29/2016		2600.0000	*	100.0000
Boron, Total	ug/L	MW-12S	12/01/2016		2130.0000	*	100.0000
Boron, Total	ug/L	MW-12S	01/30/2017		2570.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/25/2017		4250.0000	*	100.0000
Boron, Total	ug/L	MW-12S	08/10/2017		4440.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/27/2017		3080.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/23/2018		3300.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-12S	09/12/2018		4540.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/08/2019		7630.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/08/2020		9320.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/12/2020		9050.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/13/2021		7680.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/10/2021		6030.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/12/2022		5030.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/15/2022		13300.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/27/2023		4520.0000	*	100.0000
Boron, Total	ug/L	MW-12S	10/11/2023		6950.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/05/2024		6800.0000	*	100.0000
Boron, Total	ug/L	MW-12S	10/01/2024		4600.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/19/2016		3860.0000	*	100.0000
Boron, Total	ug/L	MW-1S	06/02/2016		3280.0000	*	100.0000
Boron, Total	ug/L	MW-1S	08/10/2016		2700.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/30/2016		3710.0000	*	100.0000
Boron, Total	ug/L	MW-1S	12/02/2016		3860.0000	*	100.0000
Boron, Total	ug/L	MW-1S	01/31/2017		4300.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/26/2017		4340.0000	*	100.0000
Boron, Total	ug/L	MW-1S	08/11/2017		4440.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/28/2017		4730.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/23/2018		6110.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/11/2018		3240.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/08/2019		4240.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/14/2019		3650.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/05/2020		3920.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/11/2020		2050.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/25/2021		2800.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/09/2021		3030.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/10/2022		3880.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/22/2022		1690.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/23/2023		2660.0000	*	100.0000
Boron, Total	ug/L	MW-1S	10/11/2023		856.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/09/2024		2400.0000	*	100.0000
Boron, Total	ug/L	MW-1S	10/15/2024		612.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/19/2016		1330.0000	*	100.0000
Boron, Total	ug/L	MW-2S	06/01/2016		1530.0000	*	100.0000
Boron, Total	ug/L	MW-2S	08/11/2016		2220.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/30/2016		2380.0000	*	100.0000
Boron, Total	ug/L	MW-2S	12/02/2016		2190.0000	*	100.0000
Boron, Total	ug/L	MW-2S	01/31/2017		2130.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/26/2017		1930.0000	*	100.0000
Boron, Total	ug/L	MW-2S	08/11/2017		2170.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/27/2017		3390.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/22/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/11/2018		1370.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/09/2019		1380.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/14/2019		1020.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/08/2020		1910.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/11/2020		985.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-2S	05/11/2021		808.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/10/2021		1050.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/11/2022		1160.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/15/2022		878.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/18/2023		978.0000	*	100.0000
Boron, Total	ug/L	MW-2S	10/10/2023		550.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/05/2024		339.0000	*	100.0000
Boron, Total	ug/L	MW-2S	10/07/2024		373.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/20/2016		1660.0000	*	100.0000
Boron, Total	ug/L	MW-3S	06/01/2016		1390.0000	*	100.0000
Boron, Total	ug/L	MW-3S	08/11/2016		1990.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/30/2016		1030.0000	*	100.0000
Boron, Total	ug/L	MW-3S	12/02/2016		444.0000	*	100.0000
Boron, Total	ug/L	MW-3S	01/31/2017		663.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/25/2017		653.0000	*	100.0000
Boron, Total	ug/L	MW-3S	08/11/2017		650.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/27/2017		273.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/22/2018		218.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/11/2018		189.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/09/2019		973.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/13/2019		200.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/05/2020		400.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/10/2020		134.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/12/2021		293.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/18/2021		417.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/11/2022		766.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/16/2022		324.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/18/2023		522.0000	*	100.0000
Boron, Total	ug/L	MW-3S	10/09/2023		392.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/05/2024		232.0000	*	100.0000
Boron, Total	ug/L	MW-3S	10/07/2024		426.0000	*	100.0000
Boron, Total	ug/L	MW-6S	04/20/2016		2840.0000	*	100.0000
Boron, Total	ug/L	MW-6S	06/01/2016		2800.0000	*	100.0000
Boron, Total	ug/L	MW-6S	08/11/2016		2920.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/29/2016		3160.0000	*	100.0000
Boron, Total	ug/L	MW-6S	12/01/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-6S	01/30/2017		4190.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/25/2017		3990.0000	*	100.0000
Boron, Total	ug/L	MW-6S	08/10/2017		3430.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/27/2017		4040.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/22/2018		4310.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/11/2018		3700.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/08/2019		1230.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/13/2019		4030.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/08/2020		4640.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/19/2020		4200.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/18/2021		4980.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/09/2021		4110.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/11/2022		3020.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/01/2023		5950.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-6S	04/04/2024		10100.0000	*	100.0000
Boron, Total	ug/L	MW-6S	10/03/2024		6000.0000	*	100.0000
Boron, Total	ug/L	MW-7S	04/20/2016		7920.0000	*	100.0000
Boron, Total	ug/L	MW-7S	06/01/2016		6560.0000	*	100.0000
Boron, Total	ug/L	MW-7S	08/11/2016		6200.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/29/2016		7710.0000	*	100.0000
Boron, Total	ug/L	MW-7S	12/01/2016		9530.0000	*	100.0000
Boron, Total	ug/L	MW-7S	01/30/2017		9850.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/25/2017		8800.0000	*	100.0000
Boron, Total	ug/L	MW-7S	08/10/2017		8210.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/27/2017		8140.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/23/2018		5570.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/11/2018		1330.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/07/2019		2750.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/07/2020		744.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/11/2020		545.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/17/2021		1520.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/18/2021		1180.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/12/2022		1400.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/16/2022		1490.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/03/2023		2420.0000	*	100.0000
Boron, Total	ug/L	MW-7S	10/09/2023		2660.0000	*	100.0000
Boron, Total	ug/L	MW-7S	04/10/2024		4290.0000	*	100.0000
Boron, Total	ug/L	MW-7S	10/15/2024		2070.0000	*	100.0000
Calcium, Total	ug/L	MW-10S	04/21/2016		139000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	05/31/2016		135000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	08/11/2016		119000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	09/29/2016		114000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	11/30/2016		130000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	01/30/2017		123000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	05/24/2017		134000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	08/09/2017		139000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	09/28/2017		125000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	05/23/2018		124000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	09/11/2018		129000.0000		146000.9030
Calcium, Total	ug/L	MW-10S	05/07/2019		175000.0000	*	146000.9030
Calcium, Total	ug/L	MW-10S	05/07/2020		199000.0000	*	146000.9030
Calcium, Total	ug/L	MW-10S	11/11/2020		221000.0000	*	146000.9030
Calcium, Total	ug/L	MW-10S	05/21/2021		176000.0000	*	146000.9030
Calcium, Total	ug/L	MW-10S	11/12/2021		197000.0000	*	146000.9030
Calcium, Total	ug/L	MW-10S	05/18/2022		244000.0000	*	146000.9030
Calcium, Total	ug/L	MW-10S	05/04/2023		173000.0000	*	146000.9030
Calcium, Total	ug/L	MW-10S	04/17/2024		189000.0000	*	146000.9030
Calcium, Total	ug/L	MW-12S	04/20/2016		111000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	06/01/2016		94500.0000		146000.9030
Calcium, Total	ug/L	MW-12S	08/11/2016		87400.0000		146000.9030
Calcium, Total	ug/L	MW-12S	09/29/2016		77400.0000		146000.9030
Calcium, Total	ug/L	MW-12S	12/01/2016		80300.0000		146000.9030
Calcium, Total	ug/L	MW-12S	01/30/2017		80700.0000		146000.9030
Calcium, Total	ug/L	MW-12S	05/25/2017		106000.0000		146000.9030

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-12S	08/10/2017		129000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	09/27/2017		91200.0000		146000.9030
Calcium, Total	ug/L	MW-12S	05/23/2018		127000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	09/12/2018		89200.0000		146000.9030
Calcium, Total	ug/L	MW-12S	05/08/2019		123000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	05/08/2020		126000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	11/12/2020		122000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	05/13/2021		122000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	11/10/2021		131000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	05/12/2022		122000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	11/15/2022		128000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	04/27/2023		117000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	10/11/2023		135000.0000		146000.9030
Calcium, Total	ug/L	MW-12S	04/05/2024		149000.0000	*	146000.9030
Calcium, Total	ug/L	MW-12S	10/01/2024		154000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	04/19/2016		215000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	06/02/2016		121000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	08/10/2016		97200.0000		146000.9030
Calcium, Total	ug/L	MW-1S	09/30/2016		110000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	12/02/2016		104000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	01/31/2017		185000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	05/26/2017		166000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	08/11/2017		118000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	09/28/2017		105000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	05/23/2018		115000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	09/11/2018		96600.0000		146000.9030
Calcium, Total	ug/L	MW-1S	05/08/2019		246000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	11/14/2019		139000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	05/05/2020		155000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	11/11/2020		158000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	05/25/2021		209000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	11/09/2021		218000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	05/10/2022		212000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	11/22/2022		171000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	04/23/2023		212000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	10/11/2023		137000.0000		146000.9030
Calcium, Total	ug/L	MW-1S	04/09/2024		198000.0000	*	146000.9030
Calcium, Total	ug/L	MW-1S	10/15/2024		123000.0000		146000.9030
Calcium, Total	ug/L	MW-6S	04/20/2016		163000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	06/01/2016		152000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	08/11/2016		147000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	09/29/2016		145000.0000		146000.9030
Calcium, Total	ug/L	MW-6S	12/01/2016		158000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	01/30/2017		173000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	05/25/2017		166000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	08/10/2017		152000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	09/27/2017		160000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	05/22/2018		179000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	09/11/2018		138000.0000		146000.9030
Calcium, Total	ug/L	MW-6S	05/08/2019		116000.0000		146000.9030

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-6S	11/13/2019		150000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	05/08/2020		168000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	11/19/2020		164000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	05/18/2021		142000.0000		146000.9030
Calcium, Total	ug/L	MW-6S	11/09/2021		142000.0000		146000.9030
Calcium, Total	ug/L	MW-6S	05/11/2022		161000.0000	*	146000.9030
Calcium, Total	ug/L	MW-6S	05/01/2023		146000.0000		146000.9030
Calcium, Total	ug/L	MW-6S	04/04/2024		144000.0000		146000.9030
Calcium, Total	ug/L	MW-6S	10/03/2024		147000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	04/20/2016		223000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	06/01/2016		192000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	08/11/2016		182000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	09/29/2016		176000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	12/01/2016		191000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	01/30/2017		189000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	05/25/2017		178000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	08/10/2017		181000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	09/27/2017		176000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	05/23/2018		169000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	09/11/2018		171000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	05/07/2019		179000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	05/07/2020		145000.0000		146000.9030
Calcium, Total	ug/L	MW-7S	11/11/2020		149000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	05/17/2021		233000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	11/18/2021		159000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	05/12/2022		165000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	11/16/2022		252000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	05/03/2023		251000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	10/09/2023		268000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	04/10/2024		423000.0000	*	146000.9030
Calcium, Total	ug/L	MW-7S	10/15/2024		266000.0000	*	146000.9030
Chloride	mg/L	MW-10S	04/21/2016		140.0000	*	58.4868
Chloride	mg/L	MW-10S	05/31/2016		144.0000	*	58.4868
Chloride	mg/L	MW-10S	08/11/2016		123.0000	*	58.4868
Chloride	mg/L	MW-10S	09/29/2016		105.0000	*	58.4868
Chloride	mg/L	MW-10S	11/30/2016		94.2000	*	58.4868
Chloride	mg/L	MW-10S	01/30/2017		92.5000	*	58.4868
Chloride	mg/L	MW-10S	05/24/2017		79.9000	*	58.4868
Chloride	mg/L	MW-10S	08/09/2017		75.8000	*	58.4868
Chloride	mg/L	MW-10S	09/28/2017		67.4000	*	58.4868
Chloride	mg/L	MW-10S	05/23/2018		79.7000	*	58.4868
Chloride	mg/L	MW-10S	09/11/2018		90.6000	*	58.4868
Chloride	mg/L	MW-10S	05/07/2019		123.0000	*	58.4868
Chloride	mg/L	MW-10S	05/07/2020		108.0000	*	58.4868
Chloride	mg/L	MW-10S	11/11/2020		109.0000	*	58.4868
Chloride	mg/L	MW-10S	05/21/2021		116.0000	*	58.4868
Chloride	mg/L	MW-10S	11/12/2021		126.0000	*	58.4868
Chloride	mg/L	MW-10S	05/18/2022		112.0000	*	58.4868
Chloride	mg/L	MW-10S	05/04/2023		98.8000	*	58.4868
Chloride	mg/L	MW-10S	04/17/2024		51.9000		58.4868

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-11S	04/20/2016		160.0000	*	58.4868
Chloride	mg/L	MW-11S	06/02/2016		161.0000	*	58.4868
Chloride	mg/L	MW-11S	08/12/2016		172.0000	*	58.4868
Chloride	mg/L	MW-11S	09/30/2016		174.0000	*	58.4868
Chloride	mg/L	MW-11S	12/01/2016		188.0000	*	58.4868
Chloride	mg/L	MW-11S	01/31/2017		171.0000	*	58.4868
Chloride	mg/L	MW-11S	05/25/2017		180.0000	*	58.4868
Chloride	mg/L	MW-11S	08/10/2017		139.0000	*	58.4868
Chloride	mg/L	MW-11S	09/28/2017		128.0000	*	58.4868
Chloride	mg/L	MW-11S	05/23/2018		51.6000		58.4868
Chloride	mg/L	MW-11S	09/11/2018		78.0000	*	58.4868
Chloride	mg/L	MW-11S	05/08/2019		95.1000	*	58.4868
Chloride	mg/L	MW-11S	05/07/2020		98.5000	*	58.4868
Chloride	mg/L	MW-11S	11/12/2020		87.5000	*	58.4868
Chloride	mg/L	MW-11S	05/17/2021		58.7000	*	58.4868
Chloride	mg/L	MW-11S	11/17/2021		59.8000	*	58.4868
Chloride	mg/L	MW-11S	05/12/2022		59.3000	*	58.4868
Chloride	mg/L	MW-11S	11/21/2022		51.9000		58.4868
Chloride	mg/L	MW-11S	05/02/2023		39.3000		58.4868
Chloride	mg/L	MW-11S	04/09/2024		42.6000		58.4868
Chloride	mg/L	MW-11S	10/15/2024		92.2000	*	58.4868
Chloride	mg/L	MW-1S	04/19/2016		84.6000	*	58.4868
Chloride	mg/L	MW-1S	06/02/2016		146.0000	*	58.4868
Chloride	mg/L	MW-1S	08/10/2016		140.0000	*	58.4868
Chloride	mg/L	MW-1S	09/30/2016		127.0000	*	58.4868
Chloride	mg/L	MW-1S	12/02/2016		135.0000	*	58.4868
Chloride	mg/L	MW-1S	01/31/2017		93.2000	*	58.4868
Chloride	mg/L	MW-1S	05/26/2017		95.3000	*	58.4868
Chloride	mg/L	MW-1S	08/11/2017		130.0000	*	58.4868
Chloride	mg/L	MW-1S	09/28/2017		133.0000	*	58.4868
Chloride	mg/L	MW-1S	05/23/2018		112.0000	*	58.4868
Chloride	mg/L	MW-1S	09/11/2018		127.0000	*	58.4868
Chloride	mg/L	MW-1S	05/08/2019		39.7000		58.4868
Chloride	mg/L	MW-1S	11/14/2019		62.1000	*	58.4868
Chloride	mg/L	MW-1S	05/05/2020		72.1000	*	58.4868
Chloride	mg/L	MW-1S	11/11/2020		60.9000	*	58.4868
Chloride	mg/L	MW-1S	05/25/2021		37.3000		58.4868
Chloride	mg/L	MW-1S	11/09/2021		31.8000		58.4868
Chloride	mg/L	MW-1S	05/10/2022		34.0000		58.4868
Chloride	mg/L	MW-1S	11/22/2022		62.0000	*	58.4868
Chloride	mg/L	MW-1S	04/23/2023		32.6000		58.4868
Chloride	mg/L	MW-1S	10/11/2023	ND	0.2500		58.4868
Chloride	mg/L	MW-1S	04/09/2024		28.7000		58.4868
Chloride	mg/L	MW-1S	10/15/2024		113.0000	*	58.4868
Chloride	mg/L	MW-2S	04/19/2016		144.0000	*	58.4868
Chloride	mg/L	MW-2S	06/01/2016		148.0000	*	58.4868
Chloride	mg/L	MW-2S	08/11/2016		140.0000	*	58.4868
Chloride	mg/L	MW-2S	09/30/2016		139.0000	*	58.4868
Chloride	mg/L	MW-2S	12/02/2016		135.0000	*	58.4868
Chloride	mg/L	MW-2S	01/31/2017		134.0000	*	58.4868

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-2S	05/26/2017		124.0000	*	58.4868
Chloride	mg/L	MW-2S	08/11/2017		122.0000	*	58.4868
Chloride	mg/L	MW-2S	09/27/2017		135.0000	*	58.4868
Chloride	mg/L	MW-2S	05/22/2018		91.6000	*	58.4868
Chloride	mg/L	MW-2S	09/11/2018		52.8000		58.4868
Chloride	mg/L	MW-2S	05/09/2019		59.7000	*	58.4868
Chloride	mg/L	MW-2S	11/14/2019		66.6000	*	58.4868
Chloride	mg/L	MW-2S	05/08/2020		43.2000		58.4868
Chloride	mg/L	MW-2S	11/11/2020		95.5000	*	58.4868
Chloride	mg/L	MW-2S	05/11/2021		69.3000	*	58.4868
Chloride	mg/L	MW-2S	11/10/2021		59.2000	*	58.4868
Chloride	mg/L	MW-2S	05/11/2022		44.0000		58.4868
Chloride	mg/L	MW-2S	11/15/2022		76.9000	*	58.4868
Chloride	mg/L	MW-2S	04/18/2023		17.9000		58.4868
Chloride	mg/L	MW-2S	10/10/2023		75.8000	*	58.4868
Chloride	mg/L	MW-2S	04/05/2024		128.0000	*	58.4868
Chloride	mg/L	MW-2S	10/07/2024		129.0000	*	58.4868
Chloride	mg/L	MW-3S	04/20/2016		90.7000	*	58.4868
Chloride	mg/L	MW-3S	06/01/2016		129.0000	*	58.4868
Chloride	mg/L	MW-3S	08/11/2016		112.0000	*	58.4868
Chloride	mg/L	MW-3S	09/30/2016		82.4000	*	58.4868
Chloride	mg/L	MW-3S	12/02/2016		82.3000	*	58.4868
Chloride	mg/L	MW-3S	01/31/2017		67.4000	*	58.4868
Chloride	mg/L	MW-3S	05/25/2017		87.4000	*	58.4868
Chloride	mg/L	MW-3S	08/11/2017		78.8000	*	58.4868
Chloride	mg/L	MW-3S	09/27/2017		73.6000	*	58.4868
Chloride	mg/L	MW-3S	05/22/2018		76.6000	*	58.4868
Chloride	mg/L	MW-3S	09/11/2018		96.6000	*	58.4868
Chloride	mg/L	MW-3S	05/09/2019		79.4000	*	58.4868
Chloride	mg/L	MW-3S	11/13/2019		67.3000	*	58.4868
Chloride	mg/L	MW-3S	05/05/2020		153.0000	*	58.4868
Chloride	mg/L	MW-3S	11/10/2020		87.3000	*	58.4868
Chloride	mg/L	MW-3S	05/12/2021		176.0000	*	58.4868
Chloride	mg/L	MW-3S	11/18/2021		116.0000	*	58.4868
Chloride	mg/L	MW-3S	05/11/2022		43.8000		58.4868
Chloride	mg/L	MW-3S	11/16/2022		95.5000	*	58.4868
Chloride	mg/L	MW-3S	04/18/2023		86.3000	*	58.4868
Chloride	mg/L	MW-3S	10/09/2023		119.0000	*	58.4868
Chloride	mg/L	MW-3S	04/05/2024		143.0000	*	58.4868
Chloride	mg/L	MW-3S	10/07/2024		89.4000	*	58.4868
Chloride	mg/L	MW-7S	04/20/2016		47.3000		58.4868
Chloride	mg/L	MW-7S	06/01/2016		77.5000	*	58.4868
Chloride	mg/L	MW-7S	08/11/2016		90.8000	*	58.4868
Chloride	mg/L	MW-7S	09/29/2016		79.1000	*	58.4868
Chloride	mg/L	MW-7S	12/01/2016		73.1000	*	58.4868
Chloride	mg/L	MW-7S	01/30/2017		75.0000	*	58.4868
Chloride	mg/L	MW-7S	05/25/2017		62.5000	*	58.4868
Chloride	mg/L	MW-7S	08/10/2017		64.7000	*	58.4868
Chloride	mg/L	MW-7S	09/27/2017		60.5000	*	58.4868
Chloride	mg/L	MW-7S	05/23/2018		51.0000		58.4868

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-7S	09/11/2018		82.5000	*	58.4868
Chloride	mg/L	MW-7S	05/07/2019		15.2000		58.4868
Chloride	mg/L	MW-7S	05/07/2020		27.3000		58.4868
Chloride	mg/L	MW-7S	11/11/2020		60.0000	*	58.4868
Chloride	mg/L	MW-7S	05/17/2021		149.0000	*	58.4868
Chloride	mg/L	MW-7S	11/18/2021		67.6000	*	58.4868
Chloride	mg/L	MW-7S	05/12/2022		30.9000		58.4868
Chloride	mg/L	MW-7S	11/16/2022		174.0000	*	58.4868
Chloride	mg/L	MW-7S	05/03/2023		120.0000	*	58.4868
Chloride	mg/L	MW-7S	10/09/2023		190.0000	*	58.4868
Chloride	mg/L	MW-7S	04/10/2024		332.0000	*	58.4868
Chloride	mg/L	MW-7S	10/15/2024		184.0000	*	58.4868
Fluoride	mg/L	MW-10S	04/21/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-10S	05/31/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	08/11/2016		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	09/29/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	11/30/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	01/30/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/24/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	08/09/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/28/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	05/23/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/11/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2019		0.2400	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2020		0.3000	*	0.1000
Fluoride	mg/L	MW-10S	11/11/2020		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/21/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-10S	11/12/2021		0.2000	*	0.1000
Fluoride	mg/L	MW-10S	05/18/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/04/2023		0.1900	*	0.1000
Fluoride	mg/L	MW-10S	04/17/2024		0.1300	*	0.1000
Fluoride	mg/L	MW-11S	04/20/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-11S	06/02/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-11S	08/12/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-11S	09/30/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	12/01/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-11S	01/31/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-11S	05/25/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	08/10/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	05/23/2018		0.3000	*	0.1000
Fluoride	mg/L	MW-11S	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11S	05/08/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-11S	05/07/2020		0.2200	*	0.1000
Fluoride	mg/L	MW-11S	11/12/2020		0.2000	*	0.1000
Fluoride	mg/L	MW-11S	05/17/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-11S	11/17/2021		0.1500	*	0.1000
Fluoride	mg/L	MW-11S	05/12/2022		0.1700	*	0.1000
Fluoride	mg/L	MW-11S	11/21/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-11S	05/02/2023		0.2100	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11S	04/09/2024		0.1800	*	0.1000
Fluoride	mg/L	MW-11S	10/15/2024		0.1400	*	0.1000
Fluoride	mg/L	MW-12S	04/20/2016		0.5800	*	0.1000
Fluoride	mg/L	MW-12S	06/01/2016		0.5700	*	0.1000
Fluoride	mg/L	MW-12S	08/11/2016		0.4700	*	0.1000
Fluoride	mg/L	MW-12S	09/29/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-12S	12/01/2016		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	01/30/2017		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	05/25/2017		0.5400	*	0.1000
Fluoride	mg/L	MW-12S	08/10/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-12S	09/27/2017		0.4400	*	0.1000
Fluoride	mg/L	MW-12S	05/23/2018		0.3300	*	0.1000
Fluoride	mg/L	MW-12S	09/12/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2019		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2020		0.2100	*	0.1000
Fluoride	mg/L	MW-12S	11/12/2020		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/13/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	11/10/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-12S	05/12/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-12S	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	04/27/2023		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	10/11/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-12S	04/05/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-12S	10/01/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-1S	04/19/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-1S	06/02/2016		0.5200	*	0.1000
Fluoride	mg/L	MW-1S	08/10/2016		0.5500	*	0.1000
Fluoride	mg/L	MW-1S	09/30/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-1S	12/02/2016		0.4900	*	0.1000
Fluoride	mg/L	MW-1S	01/31/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-1S	05/26/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	08/11/2017		0.4700	*	0.1000
Fluoride	mg/L	MW-1S	09/28/2017		0.5300	*	0.1000
Fluoride	mg/L	MW-1S	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1S	09/11/2018		0.2500	*	0.1000
Fluoride	mg/L	MW-1S	05/08/2019		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	11/14/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	05/05/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-1S	11/11/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-1S	05/25/2021	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	11/09/2021		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	05/10/2022		0.1200	*	0.1000
Fluoride	mg/L	MW-1S	11/22/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-1S	04/23/2023		0.1700	*	0.1000
Fluoride	mg/L	MW-1S	10/11/2023	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	04/09/2024		0.1100	*	0.1000
Fluoride	mg/L	MW-1S	10/15/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-2S	04/19/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-2S	06/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2016		0.3700	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-2S	09/30/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	12/02/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-2S	01/31/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-2S	05/26/2017		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2S	09/27/2017		0.2500	*	0.1000
Fluoride	mg/L	MW-2S	05/22/2018		0.2300	*	0.1000
Fluoride	mg/L	MW-2S	09/11/2018		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	05/09/2019		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	11/14/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-2S	05/08/2020		0.1200	*	0.1000
Fluoride	mg/L	MW-2S	11/11/2020		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2021		0.1100	*	0.1000
Fluoride	mg/L	MW-2S	11/10/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2022		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	11/15/2022		0.1400	*	0.1000
Fluoride	mg/L	MW-2S	04/18/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	10/10/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	04/05/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-2S	10/07/2024		0.1900	*	0.1000
Fluoride	mg/L	MW-3S	04/20/2016		0.2600	*	0.1000
Fluoride	mg/L	MW-3S	06/01/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	08/11/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	12/02/2016		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	01/31/2017		0.2400	*	0.1000
Fluoride	mg/L	MW-3S	05/25/2017		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	08/11/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	09/27/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3S	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	05/09/2019		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/13/2019		0.3900	*	0.1000
Fluoride	mg/L	MW-3S	05/05/2020		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	11/10/2020		0.3900	*	0.1000
Fluoride	mg/L	MW-3S	05/12/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	11/18/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-3S	05/11/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/16/2022		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	04/18/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	10/09/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	04/05/2024		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	10/07/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-6S	04/20/2016		0.2400	*	0.1000
Fluoride	mg/L	MW-6S	06/01/2016		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	08/11/2016		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	09/29/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	12/01/2016		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	01/30/2017		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	05/25/2017		0.2000	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6S	08/10/2017		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	09/27/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/22/2018		0.1600	*	0.1000
Fluoride	mg/L	MW-6S	09/11/2018		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/13/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2020		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/19/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	05/18/2021		0.1900	*	0.1000
Fluoride	mg/L	MW-6S	11/09/2021		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	05/11/2022		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	05/01/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	04/04/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	10/03/2024		0.2500	*	0.1000
pH at 25 Degrees C	Std. Units	MW-10S	04/21/2016		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/31/2016		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	08/11/2016		7.3000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	09/29/2016		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	11/30/2016		7.3000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	01/30/2017		7.3000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/24/2017		7.5000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	08/09/2017		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	09/28/2017		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/23/2018		7.5000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	09/11/2018		7.5000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/07/2019		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/07/2020		7.7000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	11/11/2020		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/21/2021		7.6000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	11/12/2021		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/18/2022		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	05/04/2023		7.7000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-10S	04/17/2024		6.6000	*	6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	04/20/2016		7.2000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	06/01/2016		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	08/11/2016		7.5000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	09/30/2016		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	12/02/2016		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	01/31/2017		7.3000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	05/25/2017		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	08/11/2017		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	09/27/2017		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	05/22/2018		7.6000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	09/11/2018		7.6000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	05/09/2019		7.0000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	11/13/2019		7.5000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	05/05/2020		7.7000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	11/10/2020		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	05/12/2021		7.7000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	11/18/2021		7.2000		6.66 - 7.97

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
pH at 25 Degrees C	Std. Units	MW-3S	05/11/2022		7.6000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	11/16/2022		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	04/18/2023		7.4000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	10/09/2023		7.5000		6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	04/05/2024		6.3000	*	6.66 - 7.97
pH at 25 Degrees C	Std. Units	MW-3S	10/07/2024		7.4000		6.66 - 7.97
Sulfate	mg/L	MW-10S	04/21/2016		401.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/31/2016		288.0000	*	34.9887
Sulfate	mg/L	MW-10S	08/11/2016		231.0000	*	34.9887
Sulfate	mg/L	MW-10S	09/29/2016		354.0000	*	34.9887
Sulfate	mg/L	MW-10S	11/30/2016		225.0000	*	34.9887
Sulfate	mg/L	MW-10S	01/30/2017		241.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/24/2017		192.0000	*	34.9887
Sulfate	mg/L	MW-10S	08/09/2017		182.0000	*	34.9887
Sulfate	mg/L	MW-10S	09/28/2017		103.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/23/2018		217.0000	*	34.9887
Sulfate	mg/L	MW-10S	09/11/2018		239.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/07/2019		341.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/07/2020		452.0000	*	34.9887
Sulfate	mg/L	MW-10S	11/11/2020		472.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/21/2021		395.0000	*	34.9887
Sulfate	mg/L	MW-10S	11/12/2021		443.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/18/2022		478.0000	*	34.9887
Sulfate	mg/L	MW-10S	05/04/2023		409.0000	*	34.9887
Sulfate	mg/L	MW-10S	04/17/2024		301.0000	*	34.9887
Sulfate	mg/L	MW-11S	04/20/2016		210.0000	*	34.9887
Sulfate	mg/L	MW-11S	06/02/2016		175.0000	*	34.9887
Sulfate	mg/L	MW-11S	08/12/2016		176.0000	*	34.9887
Sulfate	mg/L	MW-11S	09/30/2016		192.0000	*	34.9887
Sulfate	mg/L	MW-11S	12/01/2016		206.0000	*	34.9887
Sulfate	mg/L	MW-11S	01/31/2017		278.0000	*	34.9887
Sulfate	mg/L	MW-11S	05/25/2017		179.0000	*	34.9887
Sulfate	mg/L	MW-11S	08/10/2017		208.0000	*	34.9887
Sulfate	mg/L	MW-11S	09/28/2017		175.0000	*	34.9887
Sulfate	mg/L	MW-11S	05/23/2018		290.0000	*	34.9887
Sulfate	mg/L	MW-11S	09/11/2018		124.0000	*	34.9887
Sulfate	mg/L	MW-11S	05/08/2019		244.0000	*	34.9887
Sulfate	mg/L	MW-11S	05/07/2020		199.0000	*	34.9887
Sulfate	mg/L	MW-11S	11/12/2020		246.0000	*	34.9887
Sulfate	mg/L	MW-11S	05/17/2021		236.0000	*	34.9887
Sulfate	mg/L	MW-11S	11/17/2021		419.0000	*	34.9887
Sulfate	mg/L	MW-11S	05/12/2022		270.0000	*	34.9887
Sulfate	mg/L	MW-11S	11/21/2022		216.0000	*	34.9887
Sulfate	mg/L	MW-11S	05/02/2023		89.7000	*	34.9887
Sulfate	mg/L	MW-11S	04/09/2024		107.0000	*	34.9887
Sulfate	mg/L	MW-11S	10/15/2024		132.0000	*	34.9887
Sulfate	mg/L	MW-12S	04/20/2016		174.0000	*	34.9887
Sulfate	mg/L	MW-12S	06/01/2016		107.0000	*	34.9887
Sulfate	mg/L	MW-12S	08/11/2016		174.0000	*	34.9887
Sulfate	mg/L	MW-12S	09/29/2016		139.0000	*	34.9887

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-12S	12/01/2016		145.0000	*	34.9887
Sulfate	mg/L	MW-12S	01/30/2017		182.0000	*	34.9887
Sulfate	mg/L	MW-12S	05/25/2017		181.0000	*	34.9887
Sulfate	mg/L	MW-12S	08/10/2017		203.0000	*	34.9887
Sulfate	mg/L	MW-12S	09/27/2017		76.2000	*	34.9887
Sulfate	mg/L	MW-12S	05/23/2018		126.0000	*	34.9887
Sulfate	mg/L	MW-12S	09/12/2018		163.0000	*	34.9887
Sulfate	mg/L	MW-12S	05/08/2019		207.0000	*	34.9887
Sulfate	mg/L	MW-12S	05/08/2020		243.0000	*	34.9887
Sulfate	mg/L	MW-12S	11/12/2020		224.0000	*	34.9887
Sulfate	mg/L	MW-12S	05/13/2021		206.0000	*	34.9887
Sulfate	mg/L	MW-12S	11/10/2021		192.0000	*	34.9887
Sulfate	mg/L	MW-12S	05/12/2022		206.0000	*	34.9887
Sulfate	mg/L	MW-12S	11/15/2022		214.0000	*	34.9887
Sulfate	mg/L	MW-12S	04/27/2023		146.0000	*	34.9887
Sulfate	mg/L	MW-12S	10/11/2023		175.0000	*	34.9887
Sulfate	mg/L	MW-12S	04/05/2024		176.0000	*	34.9887
Sulfate	mg/L	MW-12S	10/01/2024		155.0000	*	34.9887
Sulfate	mg/L	MW-1S	04/19/2016		430.0000	*	34.9887
Sulfate	mg/L	MW-1S	06/02/2016		206.0000	*	34.9887
Sulfate	mg/L	MW-1S	08/10/2016		184.0000	*	34.9887
Sulfate	mg/L	MW-1S	09/30/2016		223.0000	*	34.9887
Sulfate	mg/L	MW-1S	12/02/2016		199.0000	*	34.9887
Sulfate	mg/L	MW-1S	01/31/2017		289.0000	*	34.9887
Sulfate	mg/L	MW-1S	05/26/2017		290.0000	*	34.9887
Sulfate	mg/L	MW-1S	08/11/2017		206.0000	*	34.9887
Sulfate	mg/L	MW-1S	09/28/2017		206.0000	*	34.9887
Sulfate	mg/L	MW-1S	05/23/2018		208.0000	*	34.9887
Sulfate	mg/L	MW-1S	09/11/2018		207.0000	*	34.9887
Sulfate	mg/L	MW-1S	05/08/2019		360.0000	*	34.9887
Sulfate	mg/L	MW-1S	11/14/2019		203.0000	*	34.9887
Sulfate	mg/L	MW-1S	05/05/2020		267.0000	*	34.9887
Sulfate	mg/L	MW-1S	11/11/2020		197.0000	*	34.9887
Sulfate	mg/L	MW-1S	05/25/2021		254.0000	*	34.9887
Sulfate	mg/L	MW-1S	11/09/2021		262.0000	*	34.9887
Sulfate	mg/L	MW-1S	05/10/2022		330.0000	*	34.9887
Sulfate	mg/L	MW-1S	11/22/2022		113.0000	*	34.9887
Sulfate	mg/L	MW-1S	04/23/2023		177.0000	*	34.9887
Sulfate	mg/L	MW-1S	10/11/2023		104.0000	*	34.9887
Sulfate	mg/L	MW-1S	04/09/2024		197.0000	*	34.9887
Sulfate	mg/L	MW-1S	10/15/2024		105.0000	*	34.9887
Sulfate	mg/L	MW-2S	04/19/2016		177.0000	*	34.9887
Sulfate	mg/L	MW-2S	06/01/2016		124.0000	*	34.9887
Sulfate	mg/L	MW-2S	08/11/2016		122.0000	*	34.9887
Sulfate	mg/L	MW-2S	09/30/2016		117.0000	*	34.9887
Sulfate	mg/L	MW-2S	12/02/2016		154.0000	*	34.9887
Sulfate	mg/L	MW-2S	01/31/2017		157.0000	*	34.9887
Sulfate	mg/L	MW-2S	05/26/2017		185.0000	*	34.9887
Sulfate	mg/L	MW-2S	08/11/2017		249.0000	*	34.9887
Sulfate	mg/L	MW-2S	09/27/2017		304.0000	*	34.9887

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-2S	05/22/2018		298.0000	*	34.9887
Sulfate	mg/L	MW-2S	09/11/2018		296.0000	*	34.9887
Sulfate	mg/L	MW-2S	05/09/2019		381.0000	*	34.9887
Sulfate	mg/L	MW-2S	11/14/2019		170.0000	*	34.9887
Sulfate	mg/L	MW-2S	05/08/2020		553.0000	*	34.9887
Sulfate	mg/L	MW-2S	11/11/2020		196.0000	*	34.9887
Sulfate	mg/L	MW-2S	05/11/2021		110.0000	*	34.9887
Sulfate	mg/L	MW-2S	11/10/2021		171.0000	*	34.9887
Sulfate	mg/L	MW-2S	05/11/2022		151.0000	*	34.9887
Sulfate	mg/L	MW-2S	11/15/2022		126.0000	*	34.9887
Sulfate	mg/L	MW-2S	04/18/2023		38.8000	*	34.9887
Sulfate	mg/L	MW-2S	10/10/2023		70.5000	*	34.9887
Sulfate	mg/L	MW-2S	04/05/2024		110.0000	*	34.9887
Sulfate	mg/L	MW-2S	10/07/2024		111.0000	*	34.9887
Sulfate	mg/L	MW-3S	04/20/2016		158.0000	*	34.9887
Sulfate	mg/L	MW-3S	06/01/2016		145.0000	*	34.9887
Sulfate	mg/L	MW-3S	08/11/2016		153.0000	*	34.9887
Sulfate	mg/L	MW-3S	09/30/2016		82.4000	*	34.9887
Sulfate	mg/L	MW-3S	12/02/2016		106.0000	*	34.9887
Sulfate	mg/L	MW-3S	01/31/2017		83.6000	*	34.9887
Sulfate	mg/L	MW-3S	05/25/2017		86.8000	*	34.9887
Sulfate	mg/L	MW-3S	08/11/2017		129.0000	*	34.9887
Sulfate	mg/L	MW-3S	09/27/2017		50.4000	*	34.9887
Sulfate	mg/L	MW-3S	05/22/2018		71.8000	*	34.9887
Sulfate	mg/L	MW-3S	09/11/2018		86.7000	*	34.9887
Sulfate	mg/L	MW-3S	05/09/2019		192.0000	*	34.9887
Sulfate	mg/L	MW-3S	11/13/2019		65.3000	*	34.9887
Sulfate	mg/L	MW-3S	05/05/2020		337.0000	*	34.9887
Sulfate	mg/L	MW-3S	11/10/2020		74.0000	*	34.9887
Sulfate	mg/L	MW-3S	05/12/2021		172.0000	*	34.9887
Sulfate	mg/L	MW-3S	11/18/2021		157.0000	*	34.9887
Sulfate	mg/L	MW-3S	05/11/2022		115.0000	*	34.9887
Sulfate	mg/L	MW-3S	11/16/2022		137.0000	*	34.9887
Sulfate	mg/L	MW-3S	04/18/2023		117.0000	*	34.9887
Sulfate	mg/L	MW-3S	10/09/2023		135.0000	*	34.9887
Sulfate	mg/L	MW-3S	04/05/2024		162.0000	*	34.9887
Sulfate	mg/L	MW-3S	10/07/2024		130.0000	*	34.9887
Sulfate	mg/L	MW-6S	04/20/2016		161.0000	*	34.9887
Sulfate	mg/L	MW-6S	06/01/2016		106.0000	*	34.9887
Sulfate	mg/L	MW-6S	08/11/2016		132.0000	*	34.9887
Sulfate	mg/L	MW-6S	09/29/2016		160.0000	*	34.9887
Sulfate	mg/L	MW-6S	12/01/2016		195.0000	*	34.9887
Sulfate	mg/L	MW-6S	01/30/2017		211.0000	*	34.9887
Sulfate	mg/L	MW-6S	05/25/2017		198.0000	*	34.9887
Sulfate	mg/L	MW-6S	08/10/2017		166.0000	*	34.9887
Sulfate	mg/L	MW-6S	09/27/2017		194.0000	*	34.9887
Sulfate	mg/L	MW-6S	05/22/2018		234.0000	*	34.9887
Sulfate	mg/L	MW-6S	09/11/2018		146.0000	*	34.9887
Sulfate	mg/L	MW-6S	05/08/2019		92.8000	*	34.9887
Sulfate	mg/L	MW-6S	11/13/2019		229.0000	*	34.9887

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-6S	05/08/2020		244.0000	*	34.9887
Sulfate	mg/L	MW-6S	11/19/2020		245.0000	*	34.9887
Sulfate	mg/L	MW-6S	05/18/2021		209.0000	*	34.9887
Sulfate	mg/L	MW-6S	11/09/2021		2170.0000	*	34.9887
Sulfate	mg/L	MW-6S	05/11/2022		199.0000	*	34.9887
Sulfate	mg/L	MW-6S	05/01/2023		176.0000	*	34.9887
Sulfate	mg/L	MW-6S	04/04/2024		227.0000	*	34.9887
Sulfate	mg/L	MW-6S	10/03/2024		145.0000	*	34.9887
Sulfate	mg/L	MW-7S	04/20/2016		513.0000	*	34.9887
Sulfate	mg/L	MW-7S	06/01/2016		245.0000	*	34.9887
Sulfate	mg/L	MW-7S	08/11/2016		170.0000	*	34.9887
Sulfate	mg/L	MW-7S	09/29/2016		475.0000	*	34.9887
Sulfate	mg/L	MW-7S	12/01/2016		356.0000	*	34.9887
Sulfate	mg/L	MW-7S	01/30/2017		450.0000	*	34.9887
Sulfate	mg/L	MW-7S	05/25/2017		312.0000	*	34.9887
Sulfate	mg/L	MW-7S	08/10/2017		341.0000	*	34.9887
Sulfate	mg/L	MW-7S	09/27/2017		307.0000	*	34.9887
Sulfate	mg/L	MW-7S	05/23/2018		294.0000	*	34.9887
Sulfate	mg/L	MW-7S	09/11/2018		234.0000	*	34.9887
Sulfate	mg/L	MW-7S	05/07/2019		55.6000	*	34.9887
Sulfate	mg/L	MW-7S	05/07/2020		69.1000	*	34.9887
Sulfate	mg/L	MW-7S	11/11/2020		135.0000	*	34.9887
Sulfate	mg/L	MW-7S	05/17/2021		436.0000	*	34.9887
Sulfate	mg/L	MW-7S	11/18/2021		148.0000	*	34.9887
Sulfate	mg/L	MW-7S	05/12/2022		150.0000	*	34.9887
Sulfate	mg/L	MW-7S	11/16/2022		527.0000	*	34.9887
Sulfate	mg/L	MW-7S	05/03/2023		439.0000	*	34.9887
Sulfate	mg/L	MW-7S	10/09/2023		563.0000	*	34.9887
Sulfate	mg/L	MW-7S	04/10/2024		1190.0000	*	34.9887
Sulfate	mg/L	MW-7S	10/15/2024		530.0000	*	34.9887
Total Dissolved Solids	mg/L	MW-10S	04/21/2016		926.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/31/2016		369.0000		588.0363
Total Dissolved Solids	mg/L	MW-10S	08/11/2016		819.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	09/29/2016		786.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	11/30/2016		737.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	01/30/2017		697.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/24/2017		731.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	08/09/2017		680.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	09/28/2017		665.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/23/2018		746.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	09/11/2018		749.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/07/2019		995.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/07/2020		1160.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	11/11/2020		1220.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/21/2021		1030.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	11/12/2021		1140.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/18/2022		1310.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	05/04/2023		1040.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-10S	04/17/2024		880.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	04/20/2016		762.0000	*	588.0363

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-11S	06/02/2016		711.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	08/12/2016		611.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	09/30/2016		679.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	12/01/2016		640.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	01/31/2017		792.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	05/25/2017		744.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	08/10/2017		727.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	09/28/2017		668.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	05/23/2018		616.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	09/11/2018		570.0000		588.0363
Total Dissolved Solids	mg/L	MW-11S	05/08/2019		793.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	05/07/2020		768.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	11/12/2020		844.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	05/17/2021		808.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	11/17/2021		1080.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	05/12/2022		872.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	11/21/2022		878.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-11S	05/02/2023		488.0000		588.0363
Total Dissolved Solids	mg/L	MW-11S	04/09/2024		484.0000		588.0363
Total Dissolved Solids	mg/L	MW-11S	10/15/2024		772.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	04/20/2016		702.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	06/01/2016		660.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	08/11/2016		645.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	09/29/2016		594.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	12/01/2016		614.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	01/30/2017		592.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	05/25/2017		688.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	08/10/2017		764.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	09/27/2017		548.0000		588.0363
Total Dissolved Solids	mg/L	MW-12S	05/23/2018		794.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	09/12/2018		710.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	05/08/2019		711.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	05/08/2020		783.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	11/12/2020		732.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	05/13/2021		722.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	11/10/2021		775.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	05/12/2022		714.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	11/15/2022		760.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	04/27/2023		643.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	10/11/2023		760.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	04/05/2024		746.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-12S	10/01/2024		802.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	04/19/2016		999.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	06/02/2016		756.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	08/10/2016		718.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	09/30/2016		762.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	12/02/2016		693.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	01/31/2017		953.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	05/26/2017		915.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	08/11/2017		778.0000	*	588.0363

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-1S	09/28/2017		773.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	05/23/2018		775.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	09/11/2018		773.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	05/08/2019		1040.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	11/14/2019		797.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	05/05/2020		879.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	11/11/2020		815.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	05/25/2021		934.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	11/09/2021		950.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	05/10/2022		1020.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	11/22/2022		756.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	04/23/2023		840.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	10/11/2023		708.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	04/09/2024		788.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-1S	10/15/2024		705.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	04/19/2016		649.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	06/01/2016		544.0000		588.0363
Total Dissolved Solids	mg/L	MW-2S	08/11/2016		571.0000		588.0363
Total Dissolved Solids	mg/L	MW-2S	09/30/2016		583.0000		588.0363
Total Dissolved Solids	mg/L	MW-2S	12/02/2016		707.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	01/31/2017		599.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	05/26/2017		656.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	08/11/2017		749.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	09/27/2017		873.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	05/22/2018		894.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	09/11/2018		812.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	05/09/2019		1060.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	11/14/2019		817.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	05/08/2020		1280.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	11/11/2020		802.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	05/11/2021		685.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	11/10/2021		800.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	05/11/2022		748.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	11/15/2022		770.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	04/18/2023		607.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	10/10/2023		605.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	04/05/2024		666.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-2S	10/07/2024		670.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	04/20/2016		3240.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	06/01/2016		632.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	08/11/2016		632.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	09/30/2016		511.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	12/02/2016		493.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	01/31/2017		526.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	05/25/2017		559.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	08/11/2017		580.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	09/27/2017		491.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	05/22/2018		491.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	09/11/2018		515.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	05/09/2019		749.0000	*	588.0363

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-3S	11/13/2019		367.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	05/05/2020		942.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	11/10/2020		423.0000		588.0363
Total Dissolved Solids	mg/L	MW-3S	05/12/2021		692.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	11/18/2021		724.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	05/11/2022		671.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	11/16/2022		610.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	04/18/2023		676.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	10/09/2023		615.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	04/05/2024		680.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-3S	10/07/2024		583.0000		588.0363
Total Dissolved Solids	mg/L	MW-6S	04/20/2016		735.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	06/01/2016		670.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	08/11/2016		707.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	09/29/2016		775.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	12/01/2016		798.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	01/30/2017		857.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	05/25/2017		801.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	08/10/2017		726.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	09/27/2017		832.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	05/22/2018		900.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	09/11/2018		745.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	05/08/2019		499.0000		588.0363
Total Dissolved Solids	mg/L	MW-6S	11/13/2019		805.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	05/08/2020		891.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	11/19/2020		848.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	05/18/2021		898.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	11/09/2021		726.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	05/11/2022		768.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	05/01/2023		721.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	04/04/2024		744.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-6S	10/03/2024		654.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	04/20/2016		975.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	06/01/2016		874.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	08/11/2016		934.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	09/29/2016		998.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	12/01/2016		1000.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	01/30/2017		1050.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	05/25/2017		945.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	08/10/2017		935.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	09/27/2017		953.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	05/23/2018		836.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	09/11/2018		845.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	05/07/2019		656.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	05/07/2020		587.0000		588.0363
Total Dissolved Solids	mg/L	MW-7S	11/11/2020		668.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	05/17/2021		1270.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	11/18/2021		745.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	05/12/2022		735.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	11/16/2022		1320.0000	*	588.0363

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-7S	05/03/2023		1240.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	10/09/2023		1430.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	04/10/2024		2590.0000	*	588.0363
Total Dissolved Solids	mg/L	MW-7S	10/15/2024		1390.0000	*	588.0363

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13S	09/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13S	05/07/2020	ND	6.0000	1.0000	**
Antimony, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Antimony, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13S	11/18/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	09/25/2019		5.8000		
Arsenic, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Arsenic, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	11/18/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Barium, Total	ug/L	MW-13S	08/08/2019		50.0000		
Barium, Total	ug/L	MW-13S	09/25/2019		69.3000		
Barium, Total	ug/L	MW-13S	05/07/2020		56.4000		
Barium, Total	ug/L	MW-13S	11/12/2020		44.5000		
Barium, Total	ug/L	MW-13S	02/25/2021		53.3000		
Barium, Total	ug/L	MW-13S	03/29/2021		60.3000		
Barium, Total	ug/L	MW-13S	05/20/2021		51.0000		
Barium, Total	ug/L	MW-13S	06/22/2021		44.5000		
Barium, Total	ug/L	MW-13S	07/27/2021		48.3000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-13S	11/16/2021		50.4000		
Barium, Total	ug/L	MW-13S	05/19/2022		58.6000		
Barium, Total	ug/L	MW-13S	11/18/2022		52.6000		
Barium, Total	ug/L	MW-13S	04/18/2023		50.7000		
Barium, Total	ug/L	MW-13S	10/11/2023		54.1000		
Barium, Total	ug/L	MW-13S	04/10/2024		44.5000		
Barium, Total	ug/L	MW-13S	10/04/2024		45.8000		
Beryllium, Total	ug/L	MW-13S	08/08/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	09/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	05/07/2020	ND	4.0000	0.2000	**
Beryllium, Total	ug/L	MW-13S	11/12/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	02/25/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	03/29/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	05/20/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	06/22/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	07/27/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	05/19/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	04/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	04/10/2024	ND	0.2000		
Cadmium, Total	ug/L	MW-13S	08/08/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	09/25/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	05/07/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	11/12/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	02/25/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	03/29/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	05/20/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	06/22/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	07/27/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	05/19/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	04/18/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	04/10/2024	ND	2.0000		
Chromium, Total	ug/L	MW-13S	08/08/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13S	09/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13S	05/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13S	11/12/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13S	02/25/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	03/29/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	05/20/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	06/22/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	07/27/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	05/19/2022	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, Total	ug/L	MW-13S	04/18/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13S	04/10/2024	ND	10.0000		
Cobalt, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	09/25/2019		5.8000		
Cobalt, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Cobalt, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Fluoride	mg/L	MW-13S	08/08/2019	ND	0.1000		
Fluoride	mg/L	MW-13S	09/25/2019	ND	0.1000		
Fluoride	mg/L	MW-13S	05/07/2020	ND	0.1000		
Fluoride	mg/L	MW-13S	11/12/2020	ND	0.1000		
Fluoride	mg/L	MW-13S	02/25/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	03/29/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	05/20/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	06/22/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	07/27/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	11/16/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	05/19/2022	ND	0.1000		
Fluoride	mg/L	MW-13S	11/18/2022	ND	0.1000		
Fluoride	mg/L	MW-13S	04/18/2023	ND	0.1000		
Fluoride	mg/L	MW-13S	10/11/2023	ND	0.1000		
Fluoride	mg/L	MW-13S	04/10/2024	ND	0.1000		
Fluoride	mg/L	MW-13S	10/04/2024	ND	0.1000		
Lead, Total	ug/L	MW-13S	08/08/2019	ND	10.0000		
Lead, Total	ug/L	MW-13S	09/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-13S	05/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-13S	11/12/2020	ND	10.0000		
Lead, Total	ug/L	MW-13S	02/25/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	03/29/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	05/20/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	06/22/2021	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-13S	07/27/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	05/19/2022	ND	10.0000		
Lead, Total	ug/L	MW-13S	04/18/2023	ND	10.0000		
Lead, Total	ug/L	MW-13S	04/10/2024	ND	10.0000		
Lead, Total	ug/L	MW-13S	10/04/2024	ND	10.0000		
Lithium, Total	ug/L	MW-13S	08/08/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13S	09/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13S	05/07/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13S	11/12/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13S	02/25/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	03/29/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	05/20/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	06/22/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	07/27/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	11/16/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	05/19/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13S	11/18/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13S	04/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13S	10/11/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13S	04/10/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13S	10/04/2024	ND	20.0000		
Mercury	ug/L	MW-13S	08/08/2019	ND	2.0000		
Mercury	ug/L	MW-13S	09/25/2019	ND	2.0000		
Mercury	ug/L	MW-13S	11/12/2020	ND	2.0000		
Mercury	ug/L	MW-13S	02/25/2021	ND	2.0000		
Mercury	ug/L	MW-13S	03/29/2021	ND	2.0000		
Mercury	ug/L	MW-13S	05/20/2021	ND	2.0000		
Mercury	ug/L	MW-13S	06/22/2021	ND	2.0000		
Mercury	ug/L	MW-13S	07/27/2021	ND	2.0000		
Mercury	ug/L	MW-13S	05/19/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13S	04/18/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13S	04/10/2024	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-13S	08/08/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	09/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	05/07/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	11/12/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	02/25/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	03/29/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	05/20/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	06/22/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	07/27/2021	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum, Total	ug/L	MW-13S	11/16/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	05/19/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	11/18/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	04/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	10/11/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	04/10/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	10/04/2024	ND	10.0000		
Selenium, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13S	09/25/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Selenium, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Selenium, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13S	11/18/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Selenium, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Thallium, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13S	09/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Thallium, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Thallium, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Thallium, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Thallium, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Total Radium	pCi/L	MW-13S	08/08/2019		0.4940		
Total Radium	pCi/L	MW-13S	09/25/2019		1.7800		
Total Radium	pCi/L	MW-13S	11/12/2020		1.1700		
Total Radium	pCi/L	MW-13S	02/25/2021		0.8130		
Total Radium	pCi/L	MW-13S	03/29/2021	ND	1.6500		
Total Radium	pCi/L	MW-13S	05/20/2021	ND	2.1500	1.6500	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Total Radium	pCi/L	MW-13S	06/22/2021		0.7480		
Total Radium	pCi/L	MW-13S	07/27/2021	ND	1.1900	1.6500	**
Total Radium	pCi/L	MW-13S	11/16/2021	ND	1.2200	1.6500	**
Total Radium	pCi/L	MW-13S	05/19/2022	ND	2.0300	1.6500	**
Total Radium	pCi/L	MW-13S	11/18/2022	ND	1.3900	1.6500	**
Total Radium	pCi/L	MW-13S	04/18/2023	ND	1.0600	1.6500	**
Total Radium	pCi/L	MW-13S	10/11/2023		0.9600		
Total Radium	pCi/L	MW-13S	04/10/2024	ND	1.6700	1.6500	**
Total Radium	pCi/L	MW-13S	10/04/2024	ND	1.8000	1.6500	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10S	04/17/2024		2.4000	***	1.0000
Antimony, Total	ug/L	MW-11S	10/15/2024		1.3000	***	1.0000
Antimony, Total	ug/L	MW-12S	10/01/2024		1.8000	***	1.0000
Antimony, Total	ug/L	MW-1S	10/15/2024		1.8000	*	1.0000
Antimony, Total	ug/L	MW-2S	10/07/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-3S	10/07/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	10/03/2024		1.2000	***	1.0000
Antimony, Total	ug/L	MW-7S	10/15/2024		2.8000	***	1.0000
Arsenic, Total	ug/L	MW-10S	04/17/2024		2.1000		5.8000
Arsenic, Total	ug/L	MW-11S	10/15/2024		54.4000	***	5.8000
Arsenic, Total	ug/L	MW-12S	10/01/2024	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-1S	10/15/2024		4.4000		5.8000
Arsenic, Total	ug/L	MW-2S	10/07/2024		5.7000	**	5.8000
Arsenic, Total	ug/L	MW-3S	10/07/2024	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-6S	10/03/2024	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-7S	10/15/2024	ND	1.0000		5.8000
Barium, Total	ug/L	MW-10S	04/17/2024		97.6000	*	70.0224
Barium, Total	ug/L	MW-11S	10/15/2024		134.0000	***	70.0224
Barium, Total	ug/L	MW-12S	10/01/2024		145.0000	***	70.0224
Barium, Total	ug/L	MW-1S	10/15/2024		70.1000	*	70.0224
Barium, Total	ug/L	MW-2S	10/07/2024		114.0000	***	70.0224
Barium, Total	ug/L	MW-3S	10/07/2024		81.4000	***	70.0224
Barium, Total	ug/L	MW-6S	10/03/2024		98.2000	***	70.0224
Barium, Total	ug/L	MW-7S	10/15/2024		38.0000		70.0224
Beryllium, Total	ug/L	MW-10S	04/17/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11S	04/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12S	04/05/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1S	04/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2S	04/05/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-3S	04/05/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6S	04/04/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-7S	04/10/2024	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-10S	04/17/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-11S	04/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12S	04/05/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1S	04/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2S	04/05/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-3S	04/05/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6S	04/04/2024	ND	2.0000		2.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Cadmium, Total	ug/L	MW-7S	04/10/2024	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10S	04/17/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11S	04/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12S	04/05/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1S	04/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2S	04/05/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-3S	04/05/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6S	04/04/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-7S	04/10/2024	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10S	04/17/2024		1.6000		5.8000
Cobalt, Total	ug/L	MW-11S	10/15/2024	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-12S	10/01/2024	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-1S	10/15/2024	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-2S	10/07/2024	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-3S	10/07/2024	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-6S	10/03/2024	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-7S	10/15/2024	ND	1.0000		5.8000
Fluoride	mg/L	MW-10S	04/17/2024		0.1300	***	0.1000
Fluoride	mg/L	MW-11S	10/15/2024		0.1400	***	0.1000
Fluoride	mg/L	MW-12S	10/01/2024		0.1700	***	0.1000
Fluoride	mg/L	MW-1S	10/15/2024		0.2100	***	0.1000
Fluoride	mg/L	MW-2S	10/07/2024		0.1900	***	0.1000
Fluoride	mg/L	MW-3S	10/07/2024		0.2700	***	0.1000
Fluoride	mg/L	MW-6S	10/03/2024		0.2500	***	0.1000
Fluoride	mg/L	MW-7S	10/15/2024	ND	0.1000		0.1000
Lead, Total	ug/L	MW-10S	04/17/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11S	10/15/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12S	10/01/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1S	10/15/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2S	10/07/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-3S	10/07/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6S	10/03/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-7S	10/15/2024	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10S	04/17/2024		72.9000	***	20.0000
Lithium, Total	ug/L	MW-11S	10/15/2024		93.0000	***	20.0000
Lithium, Total	ug/L	MW-12S	10/01/2024		113.0000	***	20.0000
Lithium, Total	ug/L	MW-1S	10/15/2024		71.9000	***	20.0000
Lithium, Total	ug/L	MW-2S	10/07/2024		36.2000	***	20.0000
Lithium, Total	ug/L	MW-3S	10/07/2024	ND	20.0000		20.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-6S	10/03/2024		90.7000	***	20.0000
Lithium, Total	ug/L	MW-7S	10/15/2024		67.7000	***	20.0000
Mercury	ug/L	MW-10S	04/17/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-11S	04/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-12S	04/05/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-1S	04/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-2S	04/05/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-3S	04/05/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-6S	04/04/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-7S	04/10/2024	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10S	04/17/2024		45.2000	***	10.0000
Molybdenum, Total	ug/L	MW-11S	10/15/2024		25.9000	***	10.0000
Molybdenum, Total	ug/L	MW-12S	10/01/2024		19.0000	***	10.0000
Molybdenum, Total	ug/L	MW-1S	10/15/2024		40.4000	***	10.0000
Molybdenum, Total	ug/L	MW-2S	10/07/2024		11.5000	***	10.0000
Molybdenum, Total	ug/L	MW-3S	10/07/2024		40.3000	***	10.0000
Molybdenum, Total	ug/L	MW-6S	10/03/2024		83.6000	***	10.0000
Molybdenum, Total	ug/L	MW-7S	10/15/2024		21.9000	***	10.0000
Selenium, Total	ug/L	MW-10S	04/17/2024		36.3000	***	1.0000
Selenium, Total	ug/L	MW-11S	10/15/2024		24.4000	***	1.0000
Selenium, Total	ug/L	MW-12S	10/01/2024		21.7000	***	1.0000
Selenium, Total	ug/L	MW-1S	10/15/2024		9.5000	***	1.0000
Selenium, Total	ug/L	MW-2S	10/07/2024		4.5000	***	1.0000
Selenium, Total	ug/L	MW-3S	10/07/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-6S	10/03/2024		45.2000	***	1.0000
Selenium, Total	ug/L	MW-7S	10/15/2024		20.3000	***	1.0000
Thallium, Total	ug/L	MW-10S	04/17/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11S	04/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12S	04/05/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1S	04/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2S	04/05/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3S	04/05/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6S	04/04/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-7S	04/10/2024	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10S	04/17/2024		1.4700		1.7800
Total Radium	pCi/L	MW-11S	10/15/2024	ND	2.1500		1.7800
Total Radium	pCi/L	MW-12S	10/01/2024		0.8010		1.7800
Total Radium	pCi/L	MW-1S	10/15/2024	ND	2.0900		1.7800
Total Radium	pCi/L	MW-2S	10/07/2024	ND	1.7000		1.7800

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Total Radium	pCi/L	MW-3S	10/07/2024	ND	1.9900		1.7800
Total Radium	pCi/L	MW-6S	10/03/2024		1.2300		1.7800
Total Radium	pCi/L	MW-7S	10/15/2024	ND	2.1800		1.7800

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Antimony, Total	0	16	0.000	75	166	0.452
Arsenic, Total	1	16	0.063	69	165	0.418
Barium, Total	16	16	1.000	166	166	1.000
Beryllium, Total	0	12	0.000	0	120	0.000
Cadmium, Total	0	12	0.000	0	120	0.000
Chromium, Total	0	12	0.000	0	120	0.000
Cobalt, Total	1	15	0.067	9	160	0.056
Fluoride	0	16	0.000	160	174	0.920
Lead, Total	0	13	0.000	3	127	0.024
Lithium, Total	0	16	0.000	157	166	0.946
Mercury	0	11	0.000	0	120	0.000
Molybdenum, Total	0	16	0.000	161	166	0.970
Selenium, Total	0	16	0.000	106	166	0.639
Thallium, Total	0	12	0.000	0	120	0.000
Total Radium	6	15	0.400	95	166	0.572

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Arsenic, Total	1	16	0.063	4.567	4.567					2.326	non-norm	nonpar
Barium, Total	16	16	1.000	1.175	0.525					2.326	normal	normal
Beryllium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Cadmium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Chromium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Cobalt, Total	1	15	0.067	4.373	4.373					2.326	non-norm	nonpar
Fluoride	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Lead, Total	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Lithium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Mercury	0	11	0.000	3.485	3.485					2.326	non-norm	nonpar
Molybdenum, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Selenium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Thallium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Total Radium	6	15	0.400	3.504	3.679					2.326	non-norm	nonpar

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, Total	ug/L	0	16					1.0000	nonpar	***	0.95
Arsenic, Total	ug/L	1	16					5.8000	nonpar		0.95
Barium, Total	ug/L	16	16	52.1438	6.6701	0.0100	2.6804	70.0224	normal		
Beryllium, Total	ug/L	0	12					0.2000	nonpar	***	0.92
Cadmium, Total	ug/L	0	12					2.0000	nonpar	***	0.92
Chromium, Total	ug/L	0	12					10.0000	nonpar	***	0.92
Cobalt, Total	ug/L	1	15					5.8000	nonpar		0.95
Fluoride	mg/L	0	16					0.1000	nonpar	***	0.95
Lead, Total	ug/L	0	13					10.0000	nonpar	***	0.93
Lithium, Total	ug/L	0	16					20.0000	nonpar	***	0.95
Mercury	ug/L	0	11					2.0000	nonpar	***	0.91
Molybdenum, Total	ug/L	0	16					10.0000	nonpar	***	0.95
Selenium, Total	ug/L	0	16					1.0000	nonpar	***	0.95
Thallium, Total	ug/L	0	12					1.0000	nonpar	***	0.92
Total Radium	pCi/L	6	15					1.7800	nonpar		0.95

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10S	04/21/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	05/31/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	11/30/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	05/24/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	08/09/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	05/23/2018		1.0000	**	1.0000
Antimony, Total	ug/L	MW-10S	09/11/2018		1.4000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/07/2019		1.6000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/07/2020		2.1000	*	1.0000
Antimony, Total	ug/L	MW-10S	11/11/2020		3.1000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/21/2021		2.2000	*	1.0000
Antimony, Total	ug/L	MW-10S	11/12/2021		1.8000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/18/2022		2.2000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/04/2023		2.4000	*	1.0000
Antimony, Total	ug/L	MW-10S	04/17/2024		2.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	06/02/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	08/12/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	09/30/2016		6.3000	*	1.0000
Antimony, Total	ug/L	MW-11S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	01/31/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	05/23/2018		1.9000	*	1.0000
Antimony, Total	ug/L	MW-11S	09/11/2018		1.8000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/08/2019		1.7000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/07/2020		1.6000	*	1.0000
Antimony, Total	ug/L	MW-11S	11/12/2020		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/17/2021		1.5000	*	1.0000
Antimony, Total	ug/L	MW-11S	11/17/2021		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/12/2022		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	11/21/2022		1.3000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/02/2023		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	04/09/2024		1.3000	*	1.0000
Antimony, Total	ug/L	MW-11S	10/15/2024		1.3000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-12S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	06/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/23/2018		1.2000	*	1.0000
Antimony, Total	ug/L	MW-12S	09/12/2018		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/08/2019		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/08/2020		1.4000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/12/2020		1.3000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/13/2021		1.2000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/10/2021		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/12/2022		1.4000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/15/2022		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	04/27/2023		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	10/11/2023		1.8000	*	1.0000
Antimony, Total	ug/L	MW-12S	04/05/2024		2.0000	*	1.0000
Antimony, Total	ug/L	MW-12S	10/01/2024		1.8000	*	1.0000
Antimony, Total	ug/L	MW-1S	04/19/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	06/02/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	08/10/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	09/30/2016		6.3000	*	1.0000
Antimony, Total	ug/L	MW-1S	12/02/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	01/31/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	05/26/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	08/11/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	05/23/2018		4.2000	*	1.0000
Antimony, Total	ug/L	MW-1S	09/11/2018		4.4000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/08/2019		1.8000	*	1.0000
Antimony, Total	ug/L	MW-1S	11/14/2019		3.5000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/05/2020		2.6000	*	1.0000
Antimony, Total	ug/L	MW-1S	11/11/2020		2.9000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/25/2021		1.9000	*	1.0000
Antimony, Total	ug/L	MW-1S	11/09/2021		1.8000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/10/2022		1.7000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-1S	11/22/2022		2.7000	*	1.0000
Antimony, Total	ug/L	MW-1S	04/23/2023		1.4000	*	1.0000
Antimony, Total	ug/L	MW-1S	10/11/2023		1.9000	*	1.0000
Antimony, Total	ug/L	MW-1S	04/09/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1S	10/15/2024		1.8000	*	1.0000
Antimony, Total	ug/L	MW-6S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	06/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	05/22/2018		1.1000	*	1.0000
Antimony, Total	ug/L	MW-6S	09/11/2018		1.6000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/08/2019	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	11/13/2019		1.5000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/08/2020		1.1000	*	1.0000
Antimony, Total	ug/L	MW-6S	11/19/2020		1.4000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/18/2021		1.4000	*	1.0000
Antimony, Total	ug/L	MW-6S	11/09/2021		1.2000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/11/2022	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	05/01/2023		1.0000	**	1.0000
Antimony, Total	ug/L	MW-6S	04/04/2024		1.3000	*	1.0000
Antimony, Total	ug/L	MW-6S	10/03/2024		1.2000	*	1.0000
Antimony, Total	ug/L	MW-7S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	06/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	05/23/2018		3.3000	*	1.0000
Antimony, Total	ug/L	MW-7S	09/11/2018		2.8000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/07/2019		1.7000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/07/2020		2.5000	*	1.0000
Antimony, Total	ug/L	MW-7S	11/11/2020		3.1000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-7S	05/17/2021		2.7000	*	1.0000
Antimony, Total	ug/L	MW-7S	11/18/2021		3.8000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/12/2022		2.3000	*	1.0000
Antimony, Total	ug/L	MW-7S	11/16/2022		2.6000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/03/2023		2.9000	*	1.0000
Antimony, Total	ug/L	MW-7S	10/09/2023		2.9000	*	1.0000
Antimony, Total	ug/L	MW-7S	04/10/2024		2.4000	*	1.0000
Antimony, Total	ug/L	MW-7S	10/15/2024		2.8000	*	1.0000
Arsenic, Total	ug/L	MW-11S	04/20/2016		146.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	06/02/2016		100.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	08/12/2016		61.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	09/30/2016		64.5000	*	5.8000
Arsenic, Total	ug/L	MW-11S	12/01/2016		41.6000	*	5.8000
Arsenic, Total	ug/L	MW-11S	01/31/2017		107.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/25/2017		115.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	08/10/2017		130.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/23/2018		126.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	09/11/2018		63.2000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/08/2019		79.6000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/07/2020		108.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	11/12/2020		141.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/17/2021		110.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	11/17/2021		77.8000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/12/2022		103.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	11/21/2022		49.2000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/02/2023		59.8000	*	5.8000
Arsenic, Total	ug/L	MW-11S	04/09/2024		76.5000	*	5.8000
Arsenic, Total	ug/L	MW-11S	10/15/2024		54.4000	*	5.8000
Arsenic, Total	ug/L	MW-2S	04/19/2016		15.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	06/01/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-2S	08/11/2016		16.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	09/30/2016		19.8000	*	5.8000
Arsenic, Total	ug/L	MW-2S	12/02/2016		21.7000	*	5.8000
Arsenic, Total	ug/L	MW-2S	01/31/2017		17.0000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/26/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-2S	08/11/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-2S	05/22/2018		28.5000	*	5.8000
Arsenic, Total	ug/L	MW-2S	09/11/2018		60.3000	***	5.8000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-2S	05/09/2019		15.1000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/14/2019		8.4000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/08/2020		15.0000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/11/2020		8.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/11/2021		12.4000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/10/2021		13.7000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/11/2022		13.3000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/15/2022		6.2000	*	5.8000
Arsenic, Total	ug/L	MW-2S	04/18/2023		13.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	10/10/2023		5.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	04/05/2024		6.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	10/07/2024		5.7000		5.8000
Barium, Total	ug/L	MW-10S	04/21/2016		78.3000	*	70.0224
Barium, Total	ug/L	MW-10S	05/31/2016		76.6000	*	70.0224
Barium, Total	ug/L	MW-10S	08/11/2016		68.2000		70.0224
Barium, Total	ug/L	MW-10S	09/29/2016		66.5000		70.0224
Barium, Total	ug/L	MW-10S	11/30/2016		73.1000	*	70.0224
Barium, Total	ug/L	MW-10S	01/30/2017		67.4000		70.0224
Barium, Total	ug/L	MW-10S	05/24/2017		69.6000		70.0224
Barium, Total	ug/L	MW-10S	08/09/2017		69.3000		70.0224
Barium, Total	ug/L	MW-10S	05/23/2018		65.4000		70.0224
Barium, Total	ug/L	MW-10S	09/11/2018		67.0000		70.0224
Barium, Total	ug/L	MW-10S	05/07/2019		91.2000	*	70.0224
Barium, Total	ug/L	MW-10S	05/07/2020		93.4000	*	70.0224
Barium, Total	ug/L	MW-10S	11/11/2020		95.0000	*	70.0224
Barium, Total	ug/L	MW-10S	05/21/2021		73.7000	*	70.0224
Barium, Total	ug/L	MW-10S	11/12/2021		83.6000	*	70.0224
Barium, Total	ug/L	MW-10S	05/18/2022		80.1000	*	70.0224
Barium, Total	ug/L	MW-10S	05/04/2023		69.5000		70.0224
Barium, Total	ug/L	MW-10S	04/17/2024		97.6000	*	70.0224
Barium, Total	ug/L	MW-11S	04/20/2016		107.0000	*	70.0224
Barium, Total	ug/L	MW-11S	06/02/2016		72.1000	*	70.0224
Barium, Total	ug/L	MW-11S	08/12/2016		76.2000	*	70.0224
Barium, Total	ug/L	MW-11S	09/30/2016		70.6000	*	70.0224
Barium, Total	ug/L	MW-11S	12/01/2016		66.9000		70.0224
Barium, Total	ug/L	MW-11S	01/31/2017		72.2000	*	70.0224
Barium, Total	ug/L	MW-11S	05/25/2017		73.8000	*	70.0224
Barium, Total	ug/L	MW-11S	08/10/2017		74.1000	*	70.0224

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-11S	05/23/2018		66.5000		70.0224
Barium, Total	ug/L	MW-11S	09/11/2018		63.9000		70.0224
Barium, Total	ug/L	MW-11S	05/08/2019		85.4000	*	70.0224
Barium, Total	ug/L	MW-11S	05/07/2020		84.3000	*	70.0224
Barium, Total	ug/L	MW-11S	11/12/2020		133.0000	*	70.0224
Barium, Total	ug/L	MW-11S	05/17/2021		123.0000	*	70.0224
Barium, Total	ug/L	MW-11S	11/17/2021		106.0000	*	70.0224
Barium, Total	ug/L	MW-11S	05/12/2022		88.3000	*	70.0224
Barium, Total	ug/L	MW-11S	11/21/2022		152.0000	*	70.0224
Barium, Total	ug/L	MW-11S	05/02/2023		77.1000	*	70.0224
Barium, Total	ug/L	MW-11S	04/09/2024		79.9000	*	70.0224
Barium, Total	ug/L	MW-11S	10/15/2024		134.0000	*	70.0224
Barium, Total	ug/L	MW-12S	04/20/2016		123.0000	*	70.0224
Barium, Total	ug/L	MW-12S	06/01/2016		81.1000	*	70.0224
Barium, Total	ug/L	MW-12S	08/11/2016		68.8000		70.0224
Barium, Total	ug/L	MW-12S	09/29/2016		60.3000		70.0224
Barium, Total	ug/L	MW-12S	12/01/2016		67.4000		70.0224
Barium, Total	ug/L	MW-12S	01/30/2017		67.3000		70.0224
Barium, Total	ug/L	MW-12S	05/25/2017		87.3000	*	70.0224
Barium, Total	ug/L	MW-12S	08/10/2017		113.0000	*	70.0224
Barium, Total	ug/L	MW-12S	05/23/2018		123.0000	*	70.0224
Barium, Total	ug/L	MW-12S	09/12/2018		78.1000	*	70.0224
Barium, Total	ug/L	MW-12S	05/08/2019		119.0000	*	70.0224
Barium, Total	ug/L	MW-12S	05/08/2020		131.0000	*	70.0224
Barium, Total	ug/L	MW-12S	11/12/2020		112.0000	*	70.0224
Barium, Total	ug/L	MW-12S	05/13/2021		99.4000	*	70.0224
Barium, Total	ug/L	MW-12S	11/10/2021		127.0000	*	70.0224
Barium, Total	ug/L	MW-12S	05/12/2022		125.0000	*	70.0224
Barium, Total	ug/L	MW-12S	11/15/2022		120.0000	*	70.0224
Barium, Total	ug/L	MW-12S	04/27/2023		122.0000	*	70.0224
Barium, Total	ug/L	MW-12S	10/11/2023		136.0000	*	70.0224
Barium, Total	ug/L	MW-12S	04/05/2024		172.0000	*	70.0224
Barium, Total	ug/L	MW-12S	10/01/2024		145.0000	*	70.0224
Barium, Total	ug/L	MW-1S	04/19/2016		74.8000	*	70.0224
Barium, Total	ug/L	MW-1S	06/02/2016		73.3000	*	70.0224
Barium, Total	ug/L	MW-1S	08/10/2016		75.0000	*	70.0224
Barium, Total	ug/L	MW-1S	09/30/2016		83.4000	*	70.0224
Barium, Total	ug/L	MW-1S	12/02/2016		82.8000	*	70.0224

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-1S	01/31/2017		88.1000	*	70.0224
Barium, Total	ug/L	MW-1S	05/26/2017		73.8000	*	70.0224
Barium, Total	ug/L	MW-1S	08/11/2017		72.1000	*	70.0224
Barium, Total	ug/L	MW-1S	05/23/2018		81.1000	*	70.0224
Barium, Total	ug/L	MW-1S	09/11/2018		73.8000	*	70.0224
Barium, Total	ug/L	MW-1S	05/08/2019		53.5000		70.0224
Barium, Total	ug/L	MW-1S	11/14/2019		99.2000	*	70.0224
Barium, Total	ug/L	MW-1S	05/05/2020		72.0000	*	70.0224
Barium, Total	ug/L	MW-1S	11/11/2020		97.9000	*	70.0224
Barium, Total	ug/L	MW-1S	05/25/2021		69.9000		70.0224
Barium, Total	ug/L	MW-1S	11/09/2021		73.7000	*	70.0224
Barium, Total	ug/L	MW-1S	05/10/2022		79.7000	*	70.0224
Barium, Total	ug/L	MW-1S	11/22/2022		110.0000	*	70.0224
Barium, Total	ug/L	MW-1S	04/23/2023		62.8000		70.0224
Barium, Total	ug/L	MW-1S	10/11/2023		83.7000	*	70.0224
Barium, Total	ug/L	MW-1S	04/09/2024		65.0000		70.0224
Barium, Total	ug/L	MW-1S	10/15/2024		70.1000	*	70.0224
Barium, Total	ug/L	MW-2S	04/19/2016		115.0000	*	70.0224
Barium, Total	ug/L	MW-2S	06/01/2016		117.0000	*	70.0224
Barium, Total	ug/L	MW-2S	08/11/2016		111.0000	*	70.0224
Barium, Total	ug/L	MW-2S	09/30/2016		124.0000	*	70.0224
Barium, Total	ug/L	MW-2S	12/02/2016		179.0000	*	70.0224
Barium, Total	ug/L	MW-2S	01/31/2017		137.0000	*	70.0224
Barium, Total	ug/L	MW-2S	05/26/2017		160.0000	*	70.0224
Barium, Total	ug/L	MW-2S	08/11/2017		189.0000	*	70.0224
Barium, Total	ug/L	MW-2S	05/22/2018		222.0000	*	70.0224
Barium, Total	ug/L	MW-2S	09/11/2018		186.0000	*	70.0224
Barium, Total	ug/L	MW-2S	05/09/2019		218.0000	*	70.0224
Barium, Total	ug/L	MW-2S	11/14/2019		122.0000	*	70.0224
Barium, Total	ug/L	MW-2S	05/08/2020		195.0000	*	70.0224
Barium, Total	ug/L	MW-2S	11/11/2020		110.0000	*	70.0224
Barium, Total	ug/L	MW-2S	05/11/2021		116.0000	*	70.0224
Barium, Total	ug/L	MW-2S	11/10/2021		143.0000	*	70.0224
Barium, Total	ug/L	MW-2S	05/11/2022		132.0000	*	70.0224
Barium, Total	ug/L	MW-2S	11/15/2022		97.4000	*	70.0224
Barium, Total	ug/L	MW-2S	04/18/2023		175.0000	*	70.0224
Barium, Total	ug/L	MW-2S	10/10/2023		107.0000	*	70.0224
Barium, Total	ug/L	MW-2S	04/05/2024		120.0000	*	70.0224

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-2S	10/07/2024		114.0000	*	70.0224
Barium, Total	ug/L	MW-3S	04/20/2016		92.6000	*	70.0224
Barium, Total	ug/L	MW-3S	06/01/2016		86.9000	*	70.0224
Barium, Total	ug/L	MW-3S	08/11/2016		106.0000	*	70.0224
Barium, Total	ug/L	MW-3S	09/30/2016		90.4000	*	70.0224
Barium, Total	ug/L	MW-3S	12/02/2016		101.0000	*	70.0224
Barium, Total	ug/L	MW-3S	01/31/2017		85.9000	*	70.0224
Barium, Total	ug/L	MW-3S	05/25/2017		80.0000	*	70.0224
Barium, Total	ug/L	MW-3S	08/11/2017		75.3000	*	70.0224
Barium, Total	ug/L	MW-3S	05/22/2018		73.9000	*	70.0224
Barium, Total	ug/L	MW-3S	09/11/2018		92.3000	*	70.0224
Barium, Total	ug/L	MW-3S	05/09/2019		97.0000	*	70.0224
Barium, Total	ug/L	MW-3S	11/13/2019		76.5000	*	70.0224
Barium, Total	ug/L	MW-3S	05/05/2020		131.0000	*	70.0224
Barium, Total	ug/L	MW-3S	11/10/2020		80.0000	*	70.0224
Barium, Total	ug/L	MW-3S	05/12/2021		114.0000	*	70.0224
Barium, Total	ug/L	MW-3S	11/18/2021		94.3000	*	70.0224
Barium, Total	ug/L	MW-3S	05/11/2022		141.0000	*	70.0224
Barium, Total	ug/L	MW-3S	11/16/2022		81.2000	*	70.0224
Barium, Total	ug/L	MW-3S	04/18/2023		116.0000	*	70.0224
Barium, Total	ug/L	MW-3S	10/09/2023		98.8000	*	70.0224
Barium, Total	ug/L	MW-3S	04/05/2024		106.0000	*	70.0224
Barium, Total	ug/L	MW-3S	10/07/2024		81.4000	*	70.0224
Barium, Total	ug/L	MW-6S	04/20/2016		190.0000	*	70.0224
Barium, Total	ug/L	MW-6S	06/01/2016		130.0000	*	70.0224
Barium, Total	ug/L	MW-6S	08/11/2016		133.0000	*	70.0224
Barium, Total	ug/L	MW-6S	09/29/2016		114.0000	*	70.0224
Barium, Total	ug/L	MW-6S	12/01/2016		108.0000	*	70.0224
Barium, Total	ug/L	MW-6S	01/30/2017		161.0000	*	70.0224
Barium, Total	ug/L	MW-6S	05/25/2017		147.0000	*	70.0224
Barium, Total	ug/L	MW-6S	08/10/2017		158.0000	*	70.0224
Barium, Total	ug/L	MW-6S	05/22/2018		115.0000	*	70.0224
Barium, Total	ug/L	MW-6S	09/11/2018		84.7000	*	70.0224
Barium, Total	ug/L	MW-6S	05/08/2019		67.4000		70.0224
Barium, Total	ug/L	MW-6S	11/13/2019		122.0000	*	70.0224
Barium, Total	ug/L	MW-6S	05/08/2020		110.0000	*	70.0224
Barium, Total	ug/L	MW-6S	11/19/2020		115.0000	*	70.0224
Barium, Total	ug/L	MW-6S	05/18/2021		89.7000	*	70.0224

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-6S	11/09/2021		86.4000	*	70.0224
Barium, Total	ug/L	MW-6S	05/11/2022		92.5000	*	70.0224
Barium, Total	ug/L	MW-6S	05/01/2023		73.1000	*	70.0224
Barium, Total	ug/L	MW-6S	04/04/2024		99.6000	*	70.0224
Barium, Total	ug/L	MW-6S	10/03/2024		98.2000	*	70.0224
Fluoride	mg/L	MW-10S	04/21/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-10S	05/31/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	08/11/2016		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	09/29/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	11/30/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	01/30/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/24/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	08/09/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/28/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	05/23/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/11/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2019		0.2400	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2020		0.3000	*	0.1000
Fluoride	mg/L	MW-10S	11/11/2020		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/21/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-10S	11/12/2021		0.2000	*	0.1000
Fluoride	mg/L	MW-10S	05/18/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/04/2023		0.1900	*	0.1000
Fluoride	mg/L	MW-10S	04/17/2024		0.1300	*	0.1000
Fluoride	mg/L	MW-11S	04/20/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-11S	06/02/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-11S	08/12/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-11S	09/30/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	12/01/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-11S	01/31/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-11S	05/25/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	08/10/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	05/23/2018		0.3000	*	0.1000
Fluoride	mg/L	MW-11S	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11S	05/08/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-11S	05/07/2020		0.2200	*	0.1000
Fluoride	mg/L	MW-11S	11/12/2020		0.2000	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11S	05/17/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-11S	11/17/2021		0.1500	*	0.1000
Fluoride	mg/L	MW-11S	05/12/2022		0.1700	*	0.1000
Fluoride	mg/L	MW-11S	11/21/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-11S	05/02/2023		0.2100	*	0.1000
Fluoride	mg/L	MW-11S	04/09/2024		0.1800	*	0.1000
Fluoride	mg/L	MW-11S	10/15/2024		0.1400	*	0.1000
Fluoride	mg/L	MW-12S	04/20/2016		0.5800	*	0.1000
Fluoride	mg/L	MW-12S	06/01/2016		0.5700	*	0.1000
Fluoride	mg/L	MW-12S	08/11/2016		0.4700	*	0.1000
Fluoride	mg/L	MW-12S	09/29/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-12S	12/01/2016		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	01/30/2017		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	05/25/2017		0.5400	*	0.1000
Fluoride	mg/L	MW-12S	08/10/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-12S	09/27/2017		0.4400	*	0.1000
Fluoride	mg/L	MW-12S	05/23/2018		0.3300	*	0.1000
Fluoride	mg/L	MW-12S	09/12/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2019		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2020		0.2100	*	0.1000
Fluoride	mg/L	MW-12S	11/12/2020		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/13/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	11/10/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-12S	05/12/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-12S	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	04/27/2023		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	10/11/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-12S	04/05/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-12S	10/01/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-1S	04/19/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-1S	06/02/2016		0.5200	*	0.1000
Fluoride	mg/L	MW-1S	08/10/2016		0.5500	*	0.1000
Fluoride	mg/L	MW-1S	09/30/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-1S	12/02/2016		0.4900	*	0.1000
Fluoride	mg/L	MW-1S	01/31/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-1S	05/26/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	08/11/2017		0.4700	*	0.1000
Fluoride	mg/L	MW-1S	09/28/2017		0.5300	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1S	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1S	09/11/2018		0.2500	*	0.1000
Fluoride	mg/L	MW-1S	05/08/2019		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	11/14/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	05/05/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-1S	11/11/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-1S	05/25/2021	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	11/09/2021		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	05/10/2022		0.1200	*	0.1000
Fluoride	mg/L	MW-1S	11/22/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-1S	04/23/2023		0.1700	*	0.1000
Fluoride	mg/L	MW-1S	10/11/2023	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	04/09/2024		0.1100	*	0.1000
Fluoride	mg/L	MW-1S	10/15/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-2S	04/19/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-2S	06/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2016		0.3700	*	0.1000
Fluoride	mg/L	MW-2S	09/30/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	12/02/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-2S	01/31/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-2S	05/26/2017		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2S	09/27/2017		0.2500	*	0.1000
Fluoride	mg/L	MW-2S	05/22/2018		0.2300	*	0.1000
Fluoride	mg/L	MW-2S	09/11/2018		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	05/09/2019		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	11/14/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-2S	05/08/2020		0.1200	*	0.1000
Fluoride	mg/L	MW-2S	11/11/2020		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2021		0.1100	*	0.1000
Fluoride	mg/L	MW-2S	11/10/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2022		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	11/15/2022		0.1400	*	0.1000
Fluoride	mg/L	MW-2S	04/18/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	10/10/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	04/05/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-2S	10/07/2024		0.1900	*	0.1000
Fluoride	mg/L	MW-3S	04/20/2016		0.2600	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-3S	06/01/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	08/11/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	12/02/2016		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	01/31/2017		0.2400	*	0.1000
Fluoride	mg/L	MW-3S	05/25/2017		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	08/11/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	09/27/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3S	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	05/09/2019		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/13/2019		0.3900	*	0.1000
Fluoride	mg/L	MW-3S	05/05/2020		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	11/10/2020		0.3900	*	0.1000
Fluoride	mg/L	MW-3S	05/12/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	11/18/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-3S	05/11/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/16/2022		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	04/18/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	10/09/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	04/05/2024		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	10/07/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-6S	04/20/2016		0.2400	*	0.1000
Fluoride	mg/L	MW-6S	06/01/2016		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	08/11/2016		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	09/29/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	12/01/2016		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	01/30/2017		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	05/25/2017		0.2000	*	0.1000
Fluoride	mg/L	MW-6S	08/10/2017		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	09/27/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/22/2018		0.1600	*	0.1000
Fluoride	mg/L	MW-6S	09/11/2018		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/13/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2020		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/19/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	05/18/2021		0.1900	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6S	11/09/2021		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	05/11/2022		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	05/01/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	04/04/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	10/03/2024		0.2500	*	0.1000
Lithium, Total	ug/L	MW-10S	04/21/2016		124.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/31/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/11/2016		100.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/29/2016		99.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/30/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	01/30/2017		102.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/24/2017		110.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/09/2017		102.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/23/2018		91.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/11/2018		74.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/07/2019		98.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/07/2020		114.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/11/2020		96.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/21/2021		96.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/12/2021		93.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/18/2022		108.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/04/2023		88.7000	*	20.0000
Lithium, Total	ug/L	MW-10S	04/17/2024		72.9000	*	20.0000
Lithium, Total	ug/L	MW-11S	04/20/2016		115.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	06/02/2016		119.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	08/12/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	09/30/2016		104.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	12/01/2016		99.6000	*	20.0000
Lithium, Total	ug/L	MW-11S	01/31/2017		101.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/25/2017		103.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	08/10/2017		108.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/23/2018		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	09/11/2018		109.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/08/2019		111.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/07/2020		111.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	11/12/2020		136.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/17/2021		114.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	11/17/2021		122.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-11S	05/12/2022		99.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	11/21/2022		142.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/02/2023		51.4000	*	20.0000
Lithium, Total	ug/L	MW-11S	04/09/2024		43.1000	*	20.0000
Lithium, Total	ug/L	MW-11S	10/15/2024		93.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/20/2016		94.5000	*	20.0000
Lithium, Total	ug/L	MW-12S	06/01/2016		91.7000	*	20.0000
Lithium, Total	ug/L	MW-12S	08/11/2016		82.1000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/29/2016		83.5000	*	20.0000
Lithium, Total	ug/L	MW-12S	12/01/2016		94.9000	*	20.0000
Lithium, Total	ug/L	MW-12S	01/30/2017		80.6000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/25/2017		90.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	08/10/2017		91.1000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/23/2018		105.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/12/2018		86.2000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/08/2019		97.3000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/08/2020		117.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/12/2020		126.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/13/2021		113.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/10/2021		129.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/12/2022		117.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/15/2022		138.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/27/2023		97.7000	*	20.0000
Lithium, Total	ug/L	MW-12S	10/11/2023		129.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/05/2024		138.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	10/01/2024		113.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	04/19/2016		100.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	06/02/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	08/10/2016		107.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	09/30/2016		92.2000	*	20.0000
Lithium, Total	ug/L	MW-1S	12/02/2016		93.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	01/31/2017		98.9000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/26/2017		104.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	08/11/2017		111.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/23/2018		128.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	09/11/2018		90.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/08/2019		83.4000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/14/2019		115.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-1S	05/05/2020		124.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/11/2020		114.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/25/2021		70.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/09/2021		99.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/10/2022		102.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/22/2022		83.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	04/23/2023		64.5000	*	20.0000
Lithium, Total	ug/L	MW-1S	10/11/2023		77.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	04/09/2024		53.3000	*	20.0000
Lithium, Total	ug/L	MW-1S	10/15/2024		71.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/19/2016		86.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	06/01/2016		79.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/11/2016		79.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/30/2016		88.8000	*	20.0000
Lithium, Total	ug/L	MW-2S	12/02/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	01/31/2017		91.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/26/2017		101.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/11/2017		100.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/22/2018		107.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/11/2018		78.7000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/09/2019		102.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/14/2019		91.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/08/2020		92.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/11/2020		74.8000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/11/2021		42.3000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/10/2021		63.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/11/2022		52.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/15/2022		49.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/18/2023		38.8000	*	20.0000
Lithium, Total	ug/L	MW-2S	10/10/2023		35.7000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/05/2024		34.4000	*	20.0000
Lithium, Total	ug/L	MW-2S	10/07/2024		36.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	04/20/2016		75.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	06/01/2016		70.9000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/11/2016		73.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/29/2016		76.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	12/01/2016		82.1000	*	20.0000
Lithium, Total	ug/L	MW-6S	01/30/2017		79.3000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-6S	05/25/2017		68.7000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/10/2017		53.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/22/2018		68.8000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/11/2018		69.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/08/2019		21.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/13/2019		77.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/08/2020		79.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/19/2020		91.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/18/2021		99.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/09/2021		91.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/11/2022		68.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/01/2023		52.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	04/04/2024		107.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	10/03/2024		90.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	04/20/2016		126.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	06/01/2016		162.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/11/2016		170.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/29/2016		164.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	12/01/2016		166.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	01/30/2017		148.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/25/2017		149.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/10/2017		153.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/23/2018		136.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/11/2018		103.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/07/2019		30.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/07/2020		31.2000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/11/2020		25.6000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/17/2021		31.1000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/18/2021		31.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/12/2022		31.6000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/16/2022		30.9000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/03/2023		37.6000	*	20.0000
Lithium, Total	ug/L	MW-7S	10/09/2023		54.4000	*	20.0000
Lithium, Total	ug/L	MW-7S	04/10/2024		87.6000	*	20.0000
Lithium, Total	ug/L	MW-7S	10/15/2024		67.7000	*	20.0000
Molybdenum, Total	ug/L	MW-10S	04/21/2016		155.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/31/2016		174.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/11/2016		204.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-10S	09/29/2016		223.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/30/2016		202.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	01/30/2017		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/24/2017		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/09/2017		182.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/23/2018		168.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/11/2018		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/07/2019		86.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/07/2020		98.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/11/2020		90.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/21/2021		91.8000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/12/2021		77.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/18/2022		60.3000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/04/2023		55.3000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	04/17/2024		45.2000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	04/20/2016		181.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	06/02/2016		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/12/2016		256.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	09/30/2016		266.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	12/01/2016		334.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	01/31/2017		224.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/25/2017		248.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/10/2017		268.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/23/2018		269.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	09/11/2018		242.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/08/2019		147.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/07/2020		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/12/2020		74.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/17/2021		69.3000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/17/2021		75.2000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/12/2022		75.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/21/2022		56.4000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/02/2023		56.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	04/09/2024		72.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	10/15/2024		25.9000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/20/2016		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	06/01/2016		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/11/2016		136.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-12S	09/29/2016		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	12/01/2016		154.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	01/30/2017		98.5000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/25/2017		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/10/2017		83.2000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/23/2018		51.5000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	09/12/2018		77.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/08/2019		42.4000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/08/2020		50.4000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/12/2020		63.8000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/13/2021		69.5000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/10/2021		33.8000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/12/2022		21.9000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/15/2022		36.4000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/27/2023		35.9000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	10/11/2023		15.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/05/2024		28.6000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	10/01/2024		19.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/19/2016		32.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	06/02/2016		71.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/10/2016		91.3000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/30/2016		71.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	12/02/2016		68.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	01/31/2017		41.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/26/2017		36.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/11/2017		67.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/23/2018		57.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/11/2018		33.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/08/2019		15.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/14/2019		55.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/05/2020		39.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/11/2020		55.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/25/2021		19.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/09/2021		24.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/10/2022		24.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/22/2022		30.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/23/2023		13.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	10/11/2023		32.5000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-1S	04/09/2024		13.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	10/15/2024		40.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	04/19/2016		69.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	06/01/2016		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/11/2016		62.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/30/2016		48.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	12/02/2016		21.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	01/31/2017		60.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/26/2017		58.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/11/2017		59.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/22/2018		19.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/11/2018		15.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/09/2019		10.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/14/2019		11.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/08/2020	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	11/11/2020	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	05/11/2021		13.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/10/2021		10.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/11/2022		13.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/15/2022	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	04/18/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	10/10/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	04/05/2024		13.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	10/07/2024		11.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/20/2016		54.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	06/01/2016		68.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/11/2016		48.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/30/2016		41.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	12/02/2016		39.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	01/31/2017		45.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/25/2017		43.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/11/2017		49.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/22/2018		39.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/11/2018		38.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/09/2019		38.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/13/2019		64.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/05/2020		61.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/10/2020		77.4000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-3S	05/12/2021		56.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/18/2021		47.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/11/2022		52.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/16/2022		53.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/18/2023		21.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	10/09/2023		43.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/05/2024		44.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	10/07/2024		40.3000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	04/20/2016		93.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	06/01/2016		101.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/11/2016		116.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/29/2016		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	12/01/2016		127.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	01/30/2017		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/25/2017		77.9000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/10/2017		85.9000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/22/2018		80.1000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/11/2018		143.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/08/2019		39.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/13/2019		144.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/08/2020		90.7000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/19/2020		164.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/18/2021		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/09/2021		161.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/11/2022		81.4000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/01/2023		83.8000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	04/04/2024		91.8000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	10/03/2024		83.6000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	04/20/2016		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	06/01/2016		195.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/11/2016		202.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/29/2016		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	12/01/2016		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	01/30/2017		183.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/25/2017		187.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/10/2017		192.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/23/2018		195.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/11/2018		121.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-7S	05/07/2019		39.2000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/07/2020		42.2000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/11/2020		45.6000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/17/2021		39.9000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/18/2021		72.9000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/12/2022		45.6000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/16/2022		42.8000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/03/2023		27.8000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	10/09/2023		28.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	04/10/2024		23.4000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	10/15/2024		21.9000	*	10.0000
Selenium, Total	ug/L	MW-10S	04/21/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	05/31/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	11/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	01/30/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	05/24/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	08/09/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	05/23/2018		2.8000	*	1.0000
Selenium, Total	ug/L	MW-10S	09/11/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-10S	05/07/2019		1.3000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/07/2020		12.5000	*	1.0000
Selenium, Total	ug/L	MW-10S	11/11/2020		1.8000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/21/2021		1.1000	*	1.0000
Selenium, Total	ug/L	MW-10S	11/12/2021		1.8000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/18/2022		2.1000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/04/2023		2.2000	*	1.0000
Selenium, Total	ug/L	MW-10S	04/17/2024		36.3000	*	1.0000
Selenium, Total	ug/L	MW-11S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	06/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	08/12/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	09/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	01/31/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	05/23/2018		6.0000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-11S	09/11/2018		9.3000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/08/2019		8.9000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/07/2020		11.8000	*	1.0000
Selenium, Total	ug/L	MW-11S	11/12/2020		2.6000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/17/2021		11.1000	*	1.0000
Selenium, Total	ug/L	MW-11S	11/17/2021		8.6000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/12/2022		10.4000	*	1.0000
Selenium, Total	ug/L	MW-11S	11/21/2022		13.9000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/02/2023		11.3000	*	1.0000
Selenium, Total	ug/L	MW-11S	04/09/2024		10.6000	*	1.0000
Selenium, Total	ug/L	MW-11S	10/15/2024		24.4000	*	1.0000
Selenium, Total	ug/L	MW-12S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	01/30/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	05/23/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-12S	09/12/2018		2.0000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/08/2019		30.3000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/08/2020		41.6000	*	1.0000
Selenium, Total	ug/L	MW-12S	11/12/2020		16.7000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/13/2021		12.4000	*	1.0000
Selenium, Total	ug/L	MW-12S	11/10/2021		15.3000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/12/2022		16.2000	*	1.0000
Selenium, Total	ug/L	MW-12S	11/15/2022		32.4000	*	1.0000
Selenium, Total	ug/L	MW-12S	04/27/2023		8.3000	*	1.0000
Selenium, Total	ug/L	MW-12S	10/11/2023		23.7000	*	1.0000
Selenium, Total	ug/L	MW-12S	04/05/2024		21.2000	*	1.0000
Selenium, Total	ug/L	MW-12S	10/01/2024		21.7000	*	1.0000
Selenium, Total	ug/L	MW-1S	04/19/2016		16.8000	*	1.0000
Selenium, Total	ug/L	MW-1S	06/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-1S	08/10/2016		14.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	09/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-1S	12/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-1S	01/31/2017		16.2000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-1S	05/26/2017		15.7000	*	1.0000
Selenium, Total	ug/L	MW-1S	08/11/2017		11.2000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/23/2018		23.5000	*	1.0000
Selenium, Total	ug/L	MW-1S	09/11/2018		10.7000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/08/2019		21.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/14/2019		6.9000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/05/2020		9.6000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/11/2020		6.6000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/25/2021		24.4000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/09/2021		21.7000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/10/2022		19.8000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/22/2022		28.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	04/23/2023		28.2000	*	1.0000
Selenium, Total	ug/L	MW-1S	10/11/2023		16.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	04/09/2024		17.9000	*	1.0000
Selenium, Total	ug/L	MW-1S	10/15/2024		9.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	04/19/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	09/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	12/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	01/31/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	05/26/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	08/11/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	05/22/2018		2.4000	*	1.0000
Selenium, Total	ug/L	MW-2S	09/11/2018		2.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/09/2019		21.9000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/14/2019		11.4000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/08/2020		97.6000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/11/2020		9.6000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/11/2021		5.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/10/2021		28.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/11/2022		23.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/15/2022		7.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	04/18/2023		25.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	10/10/2023		4.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	04/05/2024		3.1000	*	1.0000
Selenium, Total	ug/L	MW-2S	10/07/2024		4.5000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-6S	04/20/2016		15.5000	*	1.0000
Selenium, Total	ug/L	MW-6S	06/01/2016		12.4000	*	1.0000
Selenium, Total	ug/L	MW-6S	08/11/2016		11.0000	*	1.0000
Selenium, Total	ug/L	MW-6S	09/29/2016		12.0000	*	1.0000
Selenium, Total	ug/L	MW-6S	12/01/2016		12.9000	*	1.0000
Selenium, Total	ug/L	MW-6S	01/30/2017		14.0000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/25/2017		12.3000	*	1.0000
Selenium, Total	ug/L	MW-6S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-6S	05/22/2018		11.8000	*	1.0000
Selenium, Total	ug/L	MW-6S	09/11/2018		1.2000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/08/2019		6.5000	*	1.0000
Selenium, Total	ug/L	MW-6S	11/13/2019		6.9000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/08/2020		14.8000	*	1.0000
Selenium, Total	ug/L	MW-6S	11/19/2020		9.7000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/18/2021		14.2000	*	1.0000
Selenium, Total	ug/L	MW-6S	11/09/2021		2.2000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/11/2022		16.8000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/01/2023		36.4000	*	1.0000
Selenium, Total	ug/L	MW-6S	04/04/2024		29.3000	*	1.0000
Selenium, Total	ug/L	MW-6S	10/03/2024		45.2000	*	1.0000
Selenium, Total	ug/L	MW-7S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	01/30/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	05/23/2018		6.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	09/11/2018		12.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/07/2019		6.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/07/2020		19.2000	*	1.0000
Selenium, Total	ug/L	MW-7S	11/11/2020		12.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/17/2021		22.7000	*	1.0000
Selenium, Total	ug/L	MW-7S	11/18/2021		40.6000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/12/2022		25.8000	*	1.0000
Selenium, Total	ug/L	MW-7S	11/16/2022		17.7000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/03/2023		22.5000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

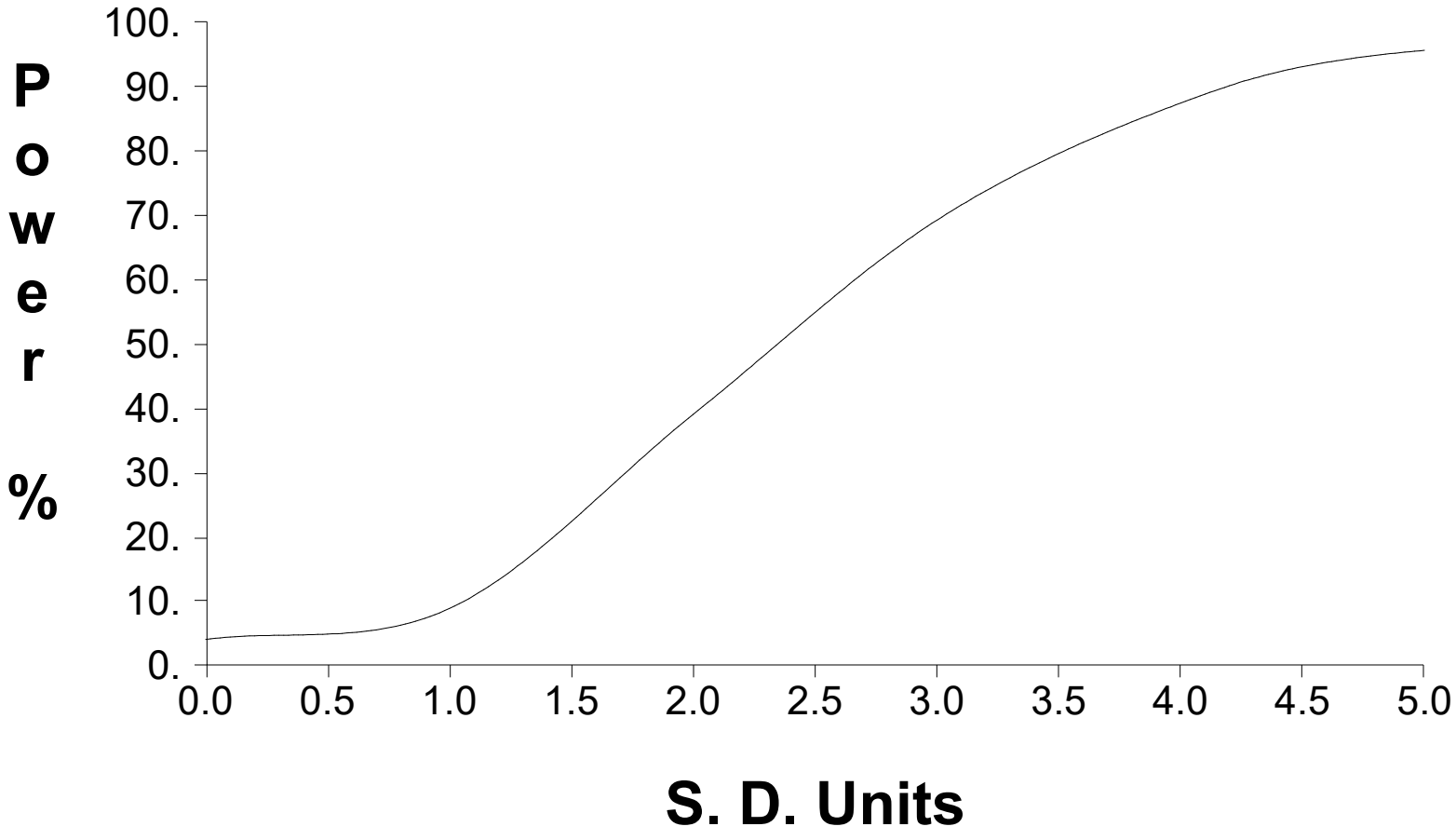
Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-7S	10/09/2023		26.8000	*	1.0000
Selenium, Total	ug/L	MW-7S	04/10/2024		20.8000	*	1.0000
Selenium, Total	ug/L	MW-7S	10/15/2024		20.3000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

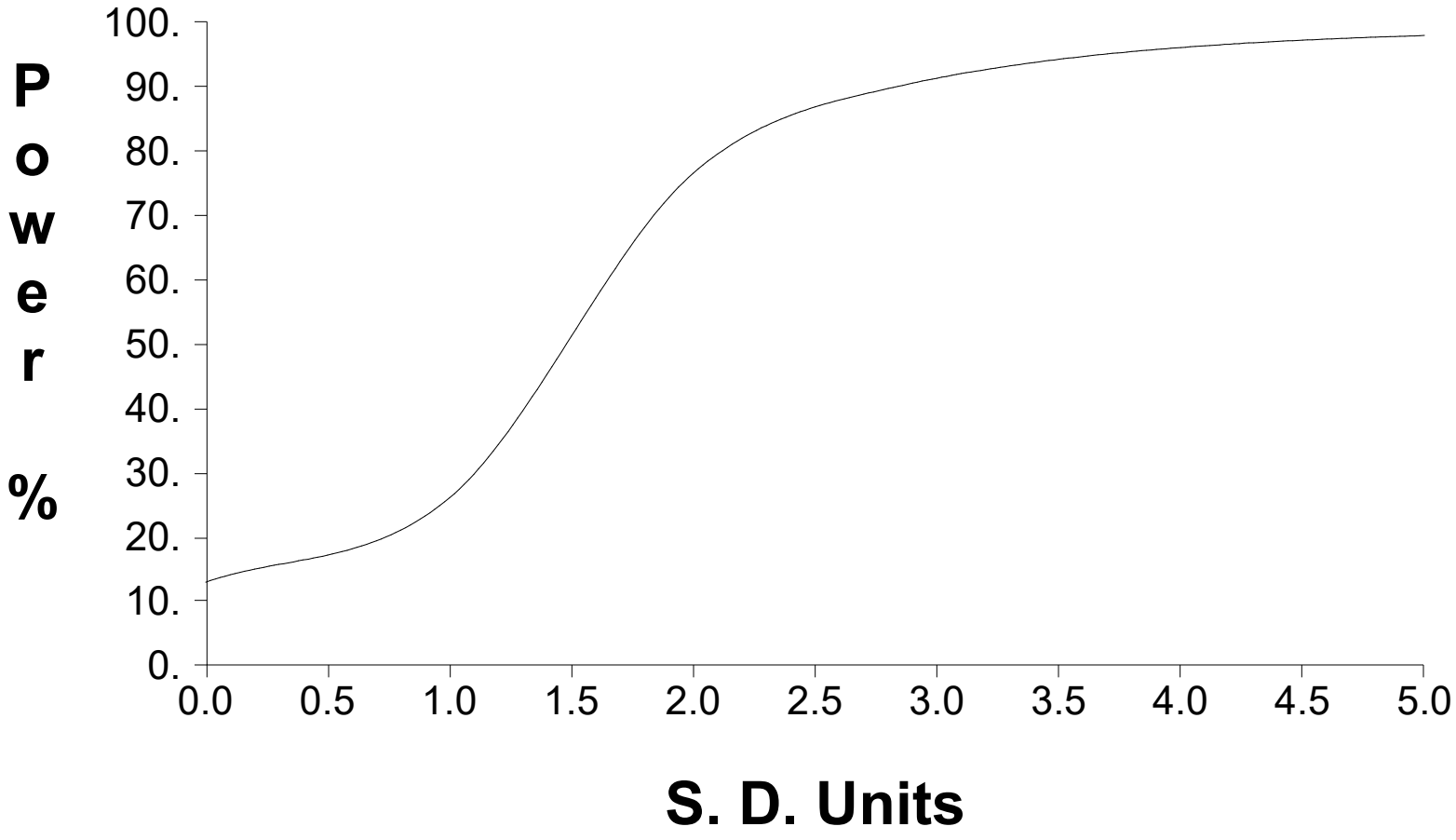


Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Boron, Total	ug/L	MW-13I	08/08/2019	ND	100.0000	
Boron, Total	ug/L	MW-13I	09/24/2019	ND	100.0000	
Boron, Total	ug/L	MW-13I	05/07/2020	ND	100.0000	
Boron, Total	ug/L	MW-13I	11/12/2020	ND	100.0000	
Boron, Total	ug/L	MW-13I	02/25/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	03/29/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	05/20/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	06/22/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	07/27/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	11/16/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	05/19/2022	ND	100.0000	
Boron, Total	ug/L	MW-13I	11/18/2022	ND	100.0000	
Boron, Total	ug/L	MW-13I	04/18/2023	ND	100.0000	
Boron, Total	ug/L	MW-13I	10/11/2023	ND	100.0000	
Boron, Total	ug/L	MW-13I	04/10/2024	ND	100.0000	
Boron, Total	ug/L	MW-13I	10/04/2024	ND	100.0000	
Calcium, Total	ug/L	MW-13I	08/08/2019		83700.0000	
Calcium, Total	ug/L	MW-13I	09/24/2019		82000.0000	
Calcium, Total	ug/L	MW-13I	05/07/2020		93300.0000	
Calcium, Total	ug/L	MW-13I	11/12/2020		96300.0000	
Calcium, Total	ug/L	MW-13I	02/25/2021		102000.0000	
Calcium, Total	ug/L	MW-13I	03/29/2021		109000.0000	
Calcium, Total	ug/L	MW-13I	05/20/2021		103000.0000	
Calcium, Total	ug/L	MW-13I	06/22/2021		98500.0000	
Calcium, Total	ug/L	MW-13I	07/27/2021		99900.0000	
Calcium, Total	ug/L	MW-13I	11/16/2021		96500.0000	
Calcium, Total	ug/L	MW-13I	05/19/2022		105000.0000	
Calcium, Total	ug/L	MW-13I	11/18/2022		85200.0000	
Calcium, Total	ug/L	MW-13I	04/18/2023		82600.0000	
Calcium, Total	ug/L	MW-13I	10/11/2023		76200.0000	
Calcium, Total	ug/L	MW-13I	04/10/2024		76600.0000	
Calcium, Total	ug/L	MW-13I	10/04/2024		67800.0000	
Chloride	mg/L	MW-13I	08/08/2019		17.2000	
Chloride	mg/L	MW-13I	09/24/2019		14.6000	
Chloride	mg/L	MW-13I	05/07/2020		26.9000	
Chloride	mg/L	MW-13I	11/12/2020		42.0000	
Chloride	mg/L	MW-13I	02/25/2021		55.8000	
Chloride	mg/L	MW-13I	03/29/2021		64.0000	
Chloride	mg/L	MW-13I	05/20/2021		63.0000	
Chloride	mg/L	MW-13I	06/22/2021		49.0000	
Chloride	mg/L	MW-13I	07/27/2021		47.0000	
Chloride	mg/L	MW-13I	11/16/2021		40.4000	
Chloride	mg/L	MW-13I	05/19/2022		62.2000	
Chloride	mg/L	MW-13I	11/18/2022		52.2000	
Chloride	mg/L	MW-13I	04/18/2023		41.3000	
Chloride	mg/L	MW-13I	10/11/2023		32.8000	
Chloride	mg/L	MW-13I	04/10/2024		33.4000	
Chloride	mg/L	MW-13I	10/04/2024		25.0000	
Fluoride	mg/L	MW-13I	08/08/2019	ND	0.1000	
Fluoride	mg/L	MW-13I	09/24/2019	ND	0.1000	
Fluoride	mg/L	MW-13I	05/07/2020	ND	0.1000	
Fluoride	mg/L	MW-13I	11/12/2020	ND	0.1000	
Fluoride	mg/L	MW-13I	02/25/2021	ND	0.1000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Fluoride	mg/L	MW-13I	03/29/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	05/20/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	06/22/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	07/27/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	11/16/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	05/19/2022	ND	0.1000	
Fluoride	mg/L	MW-13I	11/18/2022	ND	0.1000	
Fluoride	mg/L	MW-13I	04/18/2023	ND	0.1000	
Fluoride	mg/L	MW-13I	10/11/2023	ND	0.1000	
Fluoride	mg/L	MW-13I	04/10/2024	ND	0.1000	
Fluoride	mg/L	MW-13I	10/04/2024	ND	0.1000	
pH at 25 Degrees C	Std. Units	MW-13I	08/08/2019		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	09/24/2019		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	05/07/2020		7.8000	
pH at 25 Degrees C	Std. Units	MW-13I	11/12/2020		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	02/25/2021		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	03/29/2021		7.3000	
pH at 25 Degrees C	Std. Units	MW-13I	05/20/2021		7.6000	
pH at 25 Degrees C	Std. Units	MW-13I	06/22/2021		7.7000	
pH at 25 Degrees C	Std. Units	MW-13I	07/27/2021		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	11/16/2021		7.2000	
pH at 25 Degrees C	Std. Units	MW-13I	05/19/2022		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	11/18/2022		7.8000	
pH at 25 Degrees C	Std. Units	MW-13I	04/18/2023		7.7000	
pH at 25 Degrees C	Std. Units	MW-13I	10/11/2023		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	04/10/2024		7.4000	
pH at 25 Degrees C	Std. Units	MW-13I	10/04/2024		7.8000	
Sulfate	mg/L	MW-13I	08/08/2019		35.4000	
Sulfate	mg/L	MW-13I	09/24/2019		34.6000	
Sulfate	mg/L	MW-13I	05/07/2020		30.4000	
Sulfate	mg/L	MW-13I	11/12/2020		29.5000	
Sulfate	mg/L	MW-13I	02/25/2021		29.0000	
Sulfate	mg/L	MW-13I	03/29/2021		29.7000	
Sulfate	mg/L	MW-13I	05/20/2021		29.7000	
Sulfate	mg/L	MW-13I	06/22/2021		29.3000	
Sulfate	mg/L	MW-13I	07/27/2021		29.6000	
Sulfate	mg/L	MW-13I	11/16/2021		29.4000	
Sulfate	mg/L	MW-13I	05/19/2022		27.0000	
Sulfate	mg/L	MW-13I	11/18/2022		21.4000	
Sulfate	mg/L	MW-13I	04/18/2023		18.3000	
Sulfate	mg/L	MW-13I	10/11/2023		18.4000	
Sulfate	mg/L	MW-13I	04/10/2024		21.8000	
Sulfate	mg/L	MW-13I	10/04/2024		23.7000	
Total Dissolved Solids	mg/L	MW-13I	08/08/2019		352.0000	
Total Dissolved Solids	mg/L	MW-13I	09/24/2019		381.0000	
Total Dissolved Solids	mg/L	MW-13I	05/07/2020		381.0000	
Total Dissolved Solids	mg/L	MW-13I	11/12/2020		406.0000	
Total Dissolved Solids	mg/L	MW-13I	02/25/2021		404.0000	
Total Dissolved Solids	mg/L	MW-13I	03/29/2021		424.0000	
Total Dissolved Solids	mg/L	MW-13I	05/20/2021		447.0000	
Total Dissolved Solids	mg/L	MW-13I	06/22/2021		447.0000	
Total Dissolved Solids	mg/L	MW-13I	07/27/2021		461.0000	
Total Dissolved Solids	mg/L	MW-13I	11/16/2021		393.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Total Dissolved Solids	mg/L	MW-13I	05/19/2022		461.0000	
Total Dissolved Solids	mg/L	MW-13I	11/18/2022		413.0000	
Total Dissolved Solids	mg/L	MW-13I	04/18/2023		386.0000	
Total Dissolved Solids	mg/L	MW-13I	10/11/2023		354.0000	
Total Dissolved Solids	mg/L	MW-13I	04/10/2024		311.0000	
Total Dissolved Solids	mg/L	MW-13I	10/04/2024		316.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date	Result		Pred. Limit
Boron, Total	ug/L	MW-11I	10/15/2024	601.0000	***	100.0000
Boron, Total	ug/L	MW-1I	10/15/2024	359.0000	***	100.0000
Boron, Total	ug/L	MW-2I	10/07/2024	165.0000	***	100.0000
Boron, Total	ug/L	MW-3I	10/07/2024	117.0000	*	100.0000
Boron, Total	ug/L	MW-6I	10/02/2024	2250.0000	***	100.0000
Calcium, Total	ug/L	MW-11I	10/15/2024	75800.0000		123465.6999
Calcium, Total	ug/L	MW-1I	10/15/2024	65200.0000		123465.6999
Calcium, Total	ug/L	MW-2I	10/07/2024	66800.0000		123465.6999
Calcium, Total	ug/L	MW-3I	10/07/2024	94900.0000		123465.6999
Calcium, Total	ug/L	MW-6I	10/02/2024	156000.0000	*	123465.6999
Chloride	mg/L	MW-11I	10/15/2024	108.0000	***	84.0236
Chloride	mg/L	MW-1I	10/15/2024	98.8000	***	84.0236
Chloride	mg/L	MW-2I	10/07/2024	97.9000	***	84.0236
Chloride	mg/L	MW-3I	10/07/2024	164.0000	***	84.0236
Chloride	mg/L	MW-6I	10/02/2024	102.0000	***	84.0236
Fluoride	mg/L	MW-11I	10/15/2024	0.4200	***	0.1000
Fluoride	mg/L	MW-1I	10/15/2024	0.3200	***	0.1000
Fluoride	mg/L	MW-2I	10/07/2024	0.3000	***	0.1000
Fluoride	mg/L	MW-3I	10/07/2024	0.3300	***	0.1000
Fluoride	mg/L	MW-6I	10/02/2024	0.2700	***	0.1000
pH at 25 Degrees C	Std. Units	MW-11I	10/15/2024	7.7000	**	7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-1I	10/15/2024	7.7000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-2I	10/07/2024	7.6000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-3I	10/07/2024	7.4000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-6I	10/02/2024	7.3000		7.20 - 7.80
Sulfate	mg/L	MW-11I	10/15/2024	92.9000	***	41.1626
Sulfate	mg/L	MW-1I	10/15/2024	72.4000	***	41.1626
Sulfate	mg/L	MW-2I	10/07/2024	78.4000	***	41.1626
Sulfate	mg/L	MW-3I	10/07/2024	182.0000	***	41.1626
Sulfate	mg/L	MW-6I	10/02/2024	178.0000	***	41.1626
Total Dissolved Solids	mg/L	MW-11I	10/15/2024	558.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-1I	10/15/2024	480.0000		521.3513
Total Dissolved Solids	mg/L	MW-2I	10/07/2024	489.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	10/07/2024	678.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	10/02/2024	802.0000	***	521.3513

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Boron, Total	0	16	0.000	114	115	0.991
Calcium, Total	16	16	1.000	115	115	1.000
Chloride	16	16	1.000	115	115	1.000
Fluoride	0	16	0.000	115	115	1.000
pH at 25 Degrees C	16	16	1.000	115	115	1.000
Sulfate	16	16	1.000	115	115	1.000
Total Dissolved Solids	16	16	1.000	115	115	1.000

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub
Boron, Total	0	16	0.000	4.567	4.567				
Calcium, Total	16	16	1.000	0.109	0.479				
Chloride	16	16	1.000	0.132	1.150				
Fluoride	0	16	0.000	4.567	4.567				
pH at 25 Degrees C	16	16	1.000	2.425	2.390				
Sulfate	16	16	1.000	1.459	1.931				
Total Dissolved Solids	16	16	1.000	0.107	0.505				

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Crit Value	Dist Form	Model Type
2.326	non-norm	nonpar
2.326	normal	normal
2.326	normal	normal
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	normal	normal
2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit
Boron, Total	ug/L	0	16					100.0000
Calcium, Total	ug/L	16	16	91100.0000	12074.9327	0.0100	2.6804	123465.6999
Chloride	mg/L	16	16	41.6750	15.7993	0.0100	2.6804	84.0236
Fluoride	mg/L	0	16					0.1000
pH at 25 Degrees C	Std. Units	16	16					7.20- 7.80
Sulfate	mg/L	16	16	27.3250	5.1625	0.0100	2.6804	41.1626
Total Dissolved Solids	mg/L	16	16	396.0625	46.7425	0.0100	2.6804	521.3513

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 5

Summary Statistics and Prediction Limits

Type		Conf
nonpar	***	0.97
normal		
normal		
nonpar	***	0.97
nonpar		0.97
normal		
normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-11I	04/20/2016		2330.0000	*	100.0000
Boron, Total	ug/L	MW-11I	06/02/2016		2540.0000	*	100.0000
Boron, Total	ug/L	MW-11I	08/12/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/30/2016		4270.0000	*	100.0000
Boron, Total	ug/L	MW-11I	12/01/2016		4460.0000	*	100.0000
Boron, Total	ug/L	MW-11I	01/31/2017		4300.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/25/2017		5690.0000	*	100.0000
Boron, Total	ug/L	MW-11I	08/10/2017		6200.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/28/2017		6100.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/22/2018		7180.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/12/2018		7190.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/08/2019		7860.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/14/2019		6430.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/07/2020		6140.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/12/2020		4140.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/17/2021		2070.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/17/2021		3350.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/12/2022		2090.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/21/2022		1590.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/02/2023		1000.0000	*	100.0000
Boron, Total	ug/L	MW-11I	10/09/2023		812.0000	*	100.0000
Boron, Total	ug/L	MW-11I	04/09/2024		634.0000	*	100.0000
Boron, Total	ug/L	MW-11I	10/15/2024		601.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/19/2016		3800.0000	*	100.0000
Boron, Total	ug/L	MW-1I	06/02/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-1I	08/10/2016		3830.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/30/2016		3560.0000	*	100.0000
Boron, Total	ug/L	MW-1I	12/02/2016		3090.0000	*	100.0000
Boron, Total	ug/L	MW-1I	01/31/2017		2560.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/26/2017		2720.0000	*	100.0000
Boron, Total	ug/L	MW-1I	08/11/2017		3750.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/28/2017		3500.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/23/2018		3460.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/11/2018		2700.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/08/2019		2230.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/14/2019		1970.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/05/2020		2180.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/11/2020		1330.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/25/2021		1090.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/09/2021		970.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/10/2022		844.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/22/2022		622.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/19/2023		601.0000	*	100.0000
Boron, Total	ug/L	MW-1I	10/11/2023		452.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/09/2024		405.0000	*	100.0000
Boron, Total	ug/L	MW-1I	10/15/2024		359.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/19/2016		1460.0000	*	100.0000
Boron, Total	ug/L	MW-2I	06/01/2016		1150.0000	*	100.0000
Boron, Total	ug/L	MW-2I	08/11/2016		871.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/30/2016		869.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-2I	12/02/2016		839.0000	*	100.0000
Boron, Total	ug/L	MW-2I	01/31/2017		819.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/26/2017		1640.0000	*	100.0000
Boron, Total	ug/L	MW-2I	08/11/2017		2000.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/27/2017		1920.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/22/2018		1410.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/11/2018		979.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/09/2019		794.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/13/2019		313.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/05/2020		292.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/11/2020		229.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/11/2021		248.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/10/2021		206.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/11/2022		229.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/15/2022		218.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/19/2023		257.0000	*	100.0000
Boron, Total	ug/L	MW-2I	10/10/2023		204.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/05/2024		161.0000	*	100.0000
Boron, Total	ug/L	MW-2I	10/07/2024		165.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/20/2016		931.0000	*	100.0000
Boron, Total	ug/L	MW-3I	06/01/2016		1190.0000	*	100.0000
Boron, Total	ug/L	MW-3I	08/11/2016		1510.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/30/2016		1780.0000	*	100.0000
Boron, Total	ug/L	MW-3I	12/02/2016		1200.0000	*	100.0000
Boron, Total	ug/L	MW-3I	01/31/2017		976.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/25/2017		837.0000	*	100.0000
Boron, Total	ug/L	MW-3I	08/11/2017		918.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/27/2017		673.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/22/2018		290.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/11/2018		189.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/09/2019		229.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/13/2019		141.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/05/2020		174.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/11/2020		120.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/11/2021		124.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/18/2021		129.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/11/2022		174.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/15/2022		206.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/17/2023		153.0000	*	100.0000
Boron, Total	ug/L	MW-3I	10/09/2023		122.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/04/2024	ND	100.0000		100.0000
Boron, Total	ug/L	MW-3I	10/07/2024		117.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/20/2016		3430.0000	*	100.0000
Boron, Total	ug/L	MW-6I	06/01/2016		3540.0000	*	100.0000
Boron, Total	ug/L	MW-6I	08/11/2016		3050.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/29/2016		3210.0000	*	100.0000
Boron, Total	ug/L	MW-6I	12/01/2016		3170.0000	*	100.0000
Boron, Total	ug/L	MW-6I	01/30/2017		3250.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/25/2017		3470.0000	*	100.0000
Boron, Total	ug/L	MW-6I	08/10/2017		4110.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-6I	09/27/2017		4670.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/22/2018		4140.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/12/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/08/2019		4700.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/14/2019		4370.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/08/2020		5780.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/10/2020		4840.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/18/2021		2280.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/09/2021		2860.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/11/2022		2290.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/15/2022		1830.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/01/2023		1520.0000	*	100.0000
Boron, Total	ug/L	MW-6I	10/10/2023		2020.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/04/2024		856.0000	*	100.0000
Boron, Total	ug/L	MW-6I	10/02/2024		2250.0000	*	100.0000
Calcium, Total	ug/L	MW-6I	04/20/2016		121000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	06/01/2016		121000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	08/11/2016		104000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	09/29/2016		104000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	12/01/2016		118000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	01/30/2017		123000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	05/25/2017		116000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	08/10/2017		109000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	09/27/2017		92800.0000		123465.6999
Calcium, Total	ug/L	MW-6I	05/22/2018		76200.0000		123465.6999
Calcium, Total	ug/L	MW-6I	09/12/2018		80800.0000		123465.6999
Calcium, Total	ug/L	MW-6I	05/08/2019		129000.0000	*	123465.6999
Calcium, Total	ug/L	MW-6I	11/14/2019		114000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	05/08/2020		109000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	11/10/2020		97000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	05/18/2021		78100.0000		123465.6999
Calcium, Total	ug/L	MW-6I	11/09/2021		106000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	05/11/2022		95300.0000		123465.6999
Calcium, Total	ug/L	MW-6I	11/15/2022		102000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	05/01/2023		113000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	10/10/2023		117000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	04/04/2024		123000.0000		123465.6999
Calcium, Total	ug/L	MW-6I	10/02/2024		156000.0000	*	123465.6999
Chloride	mg/L	MW-11I	04/20/2016		149.0000	*	84.0236
Chloride	mg/L	MW-11I	06/02/2016		152.0000	*	84.0236
Chloride	mg/L	MW-11I	08/12/2016		153.0000	*	84.0236
Chloride	mg/L	MW-11I	09/30/2016		156.0000	*	84.0236
Chloride	mg/L	MW-11I	12/01/2016		162.0000	*	84.0236
Chloride	mg/L	MW-11I	01/31/2017		149.0000	*	84.0236
Chloride	mg/L	MW-11I	05/25/2017		152.0000	*	84.0236
Chloride	mg/L	MW-11I	08/10/2017		145.0000	*	84.0236
Chloride	mg/L	MW-11I	09/28/2017		145.0000	*	84.0236
Chloride	mg/L	MW-11I	05/22/2018		184.0000	*	84.0236
Chloride	mg/L	MW-11I	09/12/2018		168.0000	*	84.0236
Chloride	mg/L	MW-11I	05/08/2019		141.0000	*	84.0236

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-11I	11/14/2019		142.0000	*	84.0236
Chloride	mg/L	MW-11I	05/07/2020		129.0000	*	84.0236
Chloride	mg/L	MW-11I	11/12/2020		88.8000	*	84.0236
Chloride	mg/L	MW-11I	05/17/2021		85.2000	*	84.0236
Chloride	mg/L	MW-11I	11/17/2021		81.2000		84.0236
Chloride	mg/L	MW-11I	05/12/2022		95.9000	*	84.0236
Chloride	mg/L	MW-11I	11/21/2022		74.9000		84.0236
Chloride	mg/L	MW-11I	05/02/2023		101.0000	*	84.0236
Chloride	mg/L	MW-11I	10/09/2023		114.0000	*	84.0236
Chloride	mg/L	MW-11I	04/09/2024		106.0000	*	84.0236
Chloride	mg/L	MW-11I	10/15/2024		108.0000	*	84.0236
Chloride	mg/L	MW-1I	04/19/2016		158.0000	*	84.0236
Chloride	mg/L	MW-1I	06/02/2016		160.0000	*	84.0236
Chloride	mg/L	MW-1I	08/10/2016		149.0000	*	84.0236
Chloride	mg/L	MW-1I	09/30/2016		154.0000	*	84.0236
Chloride	mg/L	MW-1I	12/02/2016		147.0000	*	84.0236
Chloride	mg/L	MW-1I	01/31/2017		144.0000	*	84.0236
Chloride	mg/L	MW-1I	05/26/2017		148.0000	*	84.0236
Chloride	mg/L	MW-1I	08/11/2017		137.0000	*	84.0236
Chloride	mg/L	MW-1I	09/28/2017		127.0000	*	84.0236
Chloride	mg/L	MW-1I	05/23/2018		187.0000	*	84.0236
Chloride	mg/L	MW-1I	09/11/2018		153.0000	*	84.0236
Chloride	mg/L	MW-1I	05/08/2019		123.0000	*	84.0236
Chloride	mg/L	MW-1I	11/14/2019		80.0000		84.0236
Chloride	mg/L	MW-1I	05/05/2020		84.3000	*	84.0236
Chloride	mg/L	MW-1I	11/11/2020		103.0000	*	84.0236
Chloride	mg/L	MW-1I	05/25/2021		89.0000	*	84.0236
Chloride	mg/L	MW-1I	11/09/2021		74.0000		84.0236
Chloride	mg/L	MW-1I	05/10/2022		94.4000	*	84.0236
Chloride	mg/L	MW-1I	11/22/2022		114.0000	*	84.0236
Chloride	mg/L	MW-1I	04/19/2023		89.5000	*	84.0236
Chloride	mg/L	MW-1I	10/11/2023		114.0000	*	84.0236
Chloride	mg/L	MW-1I	04/09/2024		105.0000	*	84.0236
Chloride	mg/L	MW-1I	10/15/2024		98.8000	*	84.0236
Chloride	mg/L	MW-2I	04/19/2016		163.0000	*	84.0236
Chloride	mg/L	MW-2I	06/01/2016		140.0000	*	84.0236
Chloride	mg/L	MW-2I	08/11/2016		146.0000	*	84.0236
Chloride	mg/L	MW-2I	09/30/2016		142.0000	*	84.0236
Chloride	mg/L	MW-2I	12/02/2016		139.0000	*	84.0236
Chloride	mg/L	MW-2I	01/31/2017		124.0000	*	84.0236
Chloride	mg/L	MW-2I	05/26/2017		119.0000	*	84.0236
Chloride	mg/L	MW-2I	08/11/2017		112.0000	*	84.0236
Chloride	mg/L	MW-2I	09/27/2017		107.0000	*	84.0236
Chloride	mg/L	MW-2I	05/22/2018		82.7000		84.0236
Chloride	mg/L	MW-2I	09/11/2018		92.2000	*	84.0236
Chloride	mg/L	MW-2I	05/09/2019		85.5000	*	84.0236
Chloride	mg/L	MW-2I	11/13/2019		98.7000	*	84.0236
Chloride	mg/L	MW-2I	05/05/2020		92.9000	*	84.0236
Chloride	mg/L	MW-2I	11/11/2020		102.0000	*	84.0236
Chloride	mg/L	MW-2I	05/11/2021		94.1000	*	84.0236

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-2I	11/10/2021		87.3000	*	84.0236
Chloride	mg/L	MW-2I	05/11/2022		89.7000	*	84.0236
Chloride	mg/L	MW-2I	11/15/2022		147.0000	*	84.0236
Chloride	mg/L	MW-2I	04/19/2023		131.0000	*	84.0236
Chloride	mg/L	MW-2I	10/10/2023		96.5000	*	84.0236
Chloride	mg/L	MW-2I	04/05/2024		112.0000	*	84.0236
Chloride	mg/L	MW-2I	10/07/2024		97.9000	*	84.0236
Chloride	mg/L	MW-3I	04/20/2016		138.0000	*	84.0236
Chloride	mg/L	MW-3I	06/01/2016		145.0000	*	84.0236
Chloride	mg/L	MW-3I	08/11/2016		132.0000	*	84.0236
Chloride	mg/L	MW-3I	09/30/2016		128.0000	*	84.0236
Chloride	mg/L	MW-3I	12/02/2016		97.0000	*	84.0236
Chloride	mg/L	MW-3I	01/31/2017		95.1000	*	84.0236
Chloride	mg/L	MW-3I	05/25/2017		94.2000	*	84.0236
Chloride	mg/L	MW-3I	08/11/2017		81.8000		84.0236
Chloride	mg/L	MW-3I	09/27/2017		89.0000	*	84.0236
Chloride	mg/L	MW-3I	05/22/2018		94.8000	*	84.0236
Chloride	mg/L	MW-3I	09/11/2018		92.8000	*	84.0236
Chloride	mg/L	MW-3I	05/09/2019		97.6000	*	84.0236
Chloride	mg/L	MW-3I	11/13/2019		74.2000		84.0236
Chloride	mg/L	MW-3I	05/05/2020		82.3000		84.0236
Chloride	mg/L	MW-3I	11/11/2020		96.4000	*	84.0236
Chloride	mg/L	MW-3I	05/11/2021		167.0000	*	84.0236
Chloride	mg/L	MW-3I	11/18/2021		139.0000	*	84.0236
Chloride	mg/L	MW-3I	05/11/2022		147.0000	*	84.0236
Chloride	mg/L	MW-3I	11/15/2022		140.0000	*	84.0236
Chloride	mg/L	MW-3I	04/17/2023		109.0000	*	84.0236
Chloride	mg/L	MW-3I	10/09/2023		106.0000	*	84.0236
Chloride	mg/L	MW-3I	04/04/2024		111.0000	*	84.0236
Chloride	mg/L	MW-3I	10/07/2024		164.0000	*	84.0236
Chloride	mg/L	MW-6I	04/20/2016		262.0000	*	84.0236
Chloride	mg/L	MW-6I	06/01/2016		319.0000	*	84.0236
Chloride	mg/L	MW-6I	08/11/2016		245.0000	*	84.0236
Chloride	mg/L	MW-6I	09/29/2016		225.0000	*	84.0236
Chloride	mg/L	MW-6I	12/01/2016		221.0000	*	84.0236
Chloride	mg/L	MW-6I	01/30/2017		210.0000	*	84.0236
Chloride	mg/L	MW-6I	05/25/2017		174.0000	*	84.0236
Chloride	mg/L	MW-6I	08/10/2017		139.0000	*	84.0236
Chloride	mg/L	MW-6I	09/27/2017		60.7000		84.0236
Chloride	mg/L	MW-6I	05/22/2018		118.0000	*	84.0236
Chloride	mg/L	MW-6I	09/12/2018		125.0000	*	84.0236
Chloride	mg/L	MW-6I	05/08/2019		114.0000	*	84.0236
Chloride	mg/L	MW-6I	11/14/2019		78.2000		84.0236
Chloride	mg/L	MW-6I	05/08/2020		88.9000	*	84.0236
Chloride	mg/L	MW-6I	11/10/2020		99.7000	*	84.0236
Chloride	mg/L	MW-6I	05/18/2021		84.8000	*	84.0236
Chloride	mg/L	MW-6I	11/09/2021		837.0000	*	84.0236
Chloride	mg/L	MW-6I	05/11/2022		90.5000	*	84.0236
Chloride	mg/L	MW-6I	11/15/2022		94.9000	*	84.0236
Chloride	mg/L	MW-6I	05/01/2023		81.3000		84.0236

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-6I	10/10/2023		73.6000		84.0236
Chloride	mg/L	MW-6I	04/04/2024		84.5000	*	84.0236
Chloride	mg/L	MW-6I	10/02/2024		102.0000	*	84.0236
Fluoride	mg/L	MW-11I	04/20/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	06/02/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	08/12/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-11I	09/30/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	12/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	05/25/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	08/10/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	09/28/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/22/2018		0.3700	*	0.1000
Fluoride	mg/L	MW-11I	09/12/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11I	05/08/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	11/14/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	05/07/2020		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/12/2020		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/17/2021		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/17/2021		0.3500	*	0.1000
Fluoride	mg/L	MW-11I	05/12/2022		0.4400	*	0.1000
Fluoride	mg/L	MW-11I	11/21/2022		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	05/02/2023		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	10/09/2023		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	04/09/2024		0.4600	*	0.1000
Fluoride	mg/L	MW-11I	10/15/2024		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	04/19/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	06/02/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	08/10/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	12/02/2016		0.4300	*	0.1000
Fluoride	mg/L	MW-1I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-1I	05/26/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-1I	08/11/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1I	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-1I	05/08/2019		0.3300	*	0.1000
Fluoride	mg/L	MW-1I	11/14/2019		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	05/05/2020		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	11/11/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-1I	05/25/2021		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	11/09/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	05/10/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-1I	11/22/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-1I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	10/11/2023		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	04/09/2024		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	10/15/2024		0.3200	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2016		0.4600	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-2I	06/01/2016		0.4500	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-2I	12/02/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-2I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-2I	05/26/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	09/27/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2I	05/22/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-2I	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	11/13/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/05/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-2I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/11/2021		0.1800	*	0.1000
Fluoride	mg/L	MW-2I	11/10/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/11/2022		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-2I	10/10/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	04/05/2024		0.3400	*	0.1000
Fluoride	mg/L	MW-2I	10/07/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	04/20/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	06/01/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3I	12/02/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	01/31/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	05/25/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/27/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/11/2018		0.2500	*	0.1000
Fluoride	mg/L	MW-3I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	11/13/2019		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/05/2020		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	05/11/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-3I	11/18/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-3I	05/11/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/15/2022		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	04/17/2023		0.3400	*	0.1000
Fluoride	mg/L	MW-3I	10/09/2023		0.4000	*	0.1000
Fluoride	mg/L	MW-3I	04/04/2024		0.3600	*	0.1000
Fluoride	mg/L	MW-3I	10/07/2024		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	04/20/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	06/01/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	08/11/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	09/29/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	12/01/2016		0.3300	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6I	01/30/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/25/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	08/10/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-6I	09/27/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	05/22/2018		0.2200	*	0.1000
Fluoride	mg/L	MW-6I	09/12/2018		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2019		0.2500	*	0.1000
Fluoride	mg/L	MW-6I	11/14/2019		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-6I	11/10/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/18/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-6I	11/09/2021		0.2700	*	0.1000
Fluoride	mg/L	MW-6I	05/11/2022		0.3500	*	0.1000
Fluoride	mg/L	MW-6I	11/15/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/01/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	10/10/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	04/04/2024		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	10/02/2024		0.2700	*	0.1000
pH at 25 Degrees C	Std. Units	MW-11I	04/20/2016		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	06/02/2016		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	08/12/2016		7.4000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	09/30/2016		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	12/01/2016		7.6000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	01/31/2017		7.4000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	05/25/2017		7.7000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	08/10/2017		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	09/28/2017		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	05/22/2018		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	09/12/2018		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	05/08/2019		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	11/14/2019		7.4000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	05/07/2020		7.8000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	11/12/2020		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	05/17/2021		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	11/17/2021		7.5000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	05/12/2022		7.7000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	11/21/2022		7.6000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	05/02/2023		8.1000	*	7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	10/09/2023		7.3000		7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	04/09/2024		6.6000	*	7.20 - 7.80
pH at 25 Degrees C	Std. Units	MW-11I	10/15/2024		7.7000		7.20 - 7.80
Sulfate	mg/L	MW-11I	04/20/2016		321.0000	*	41.1626
Sulfate	mg/L	MW-11I	06/02/2016		259.0000	*	41.1626
Sulfate	mg/L	MW-11I	08/12/2016		349.0000	*	41.1626
Sulfate	mg/L	MW-11I	09/30/2016		305.0000	*	41.1626
Sulfate	mg/L	MW-11I	12/01/2016		301.0000	*	41.1626
Sulfate	mg/L	MW-11I	01/31/2017		342.0000	*	41.1626
Sulfate	mg/L	MW-11I	05/25/2017		282.0000	*	41.1626
Sulfate	mg/L	MW-11I	08/10/2017		318.0000	*	41.1626
Sulfate	mg/L	MW-11I	09/28/2017		218.0000	*	41.1626

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-11I	05/22/2018		230.0000	*	41.1626
Sulfate	mg/L	MW-11I	09/12/2018		243.0000	*	41.1626
Sulfate	mg/L	MW-11I	05/08/2019		259.0000	*	41.1626
Sulfate	mg/L	MW-11I	11/14/2019		252.0000	*	41.1626
Sulfate	mg/L	MW-11I	05/07/2020		231.0000	*	41.1626
Sulfate	mg/L	MW-11I	11/12/2020		120.0000	*	41.1626
Sulfate	mg/L	MW-11I	05/17/2021		85.6000	*	41.1626
Sulfate	mg/L	MW-11I	11/17/2021		163.0000	*	41.1626
Sulfate	mg/L	MW-11I	05/12/2022		96.8000	*	41.1626
Sulfate	mg/L	MW-11I	11/21/2022		192.0000	*	41.1626
Sulfate	mg/L	MW-11I	05/02/2023		76.5000	*	41.1626
Sulfate	mg/L	MW-11I	10/09/2023		122.0000	*	41.1626
Sulfate	mg/L	MW-11I	04/09/2024		104.0000	*	41.1626
Sulfate	mg/L	MW-11I	10/15/2024		92.9000	*	41.1626
Sulfate	mg/L	MW-1I	04/19/2016		145.0000	*	41.1626
Sulfate	mg/L	MW-1I	06/02/2016		163.0000	*	41.1626
Sulfate	mg/L	MW-1I	08/10/2016		174.0000	*	41.1626
Sulfate	mg/L	MW-1I	09/30/2016		165.0000	*	41.1626
Sulfate	mg/L	MW-1I	12/02/2016		157.0000	*	41.1626
Sulfate	mg/L	MW-1I	01/31/2017		164.0000	*	41.1626
Sulfate	mg/L	MW-1I	05/26/2017		146.0000	*	41.1626
Sulfate	mg/L	MW-1I	08/11/2017		194.0000	*	41.1626
Sulfate	mg/L	MW-1I	09/28/2017		217.0000	*	41.1626
Sulfate	mg/L	MW-1I	05/23/2018		185.0000	*	41.1626
Sulfate	mg/L	MW-1I	09/11/2018		187.0000	*	41.1626
Sulfate	mg/L	MW-1I	05/08/2019		174.0000	*	41.1626
Sulfate	mg/L	MW-1I	11/14/2019		98.4000	*	41.1626
Sulfate	mg/L	MW-1I	05/05/2020		95.8000	*	41.1626
Sulfate	mg/L	MW-1I	11/11/2020		83.7000	*	41.1626
Sulfate	mg/L	MW-1I	05/25/2021		117.0000	*	41.1626
Sulfate	mg/L	MW-1I	11/09/2021		71.8000	*	41.1626
Sulfate	mg/L	MW-1I	05/10/2022		80.8000	*	41.1626
Sulfate	mg/L	MW-1I	11/22/2022		168.0000	*	41.1626
Sulfate	mg/L	MW-1I	04/19/2023		95.9000	*	41.1626
Sulfate	mg/L	MW-1I	10/11/2023		89.7000	*	41.1626
Sulfate	mg/L	MW-1I	04/09/2024		95.1000	*	41.1626
Sulfate	mg/L	MW-1I	10/15/2024		72.4000	*	41.1626
Sulfate	mg/L	MW-2I	04/19/2016		202.0000	*	41.1626
Sulfate	mg/L	MW-2I	06/01/2016		138.0000	*	41.1626
Sulfate	mg/L	MW-2I	08/11/2016		156.0000	*	41.1626
Sulfate	mg/L	MW-2I	09/30/2016		149.0000	*	41.1626
Sulfate	mg/L	MW-2I	12/02/2016		191.0000	*	41.1626
Sulfate	mg/L	MW-2I	01/31/2017		207.0000	*	41.1626
Sulfate	mg/L	MW-2I	05/26/2017		195.0000	*	41.1626
Sulfate	mg/L	MW-2I	08/11/2017		205.0000	*	41.1626
Sulfate	mg/L	MW-2I	09/27/2017		118.0000	*	41.1626
Sulfate	mg/L	MW-2I	05/22/2018		80.4000	*	41.1626
Sulfate	mg/L	MW-2I	09/11/2018		82.4000	*	41.1626
Sulfate	mg/L	MW-2I	05/09/2019		78.9000	*	41.1626
Sulfate	mg/L	MW-2I	11/13/2019		82.8000	*	41.1626

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-2I	05/05/2020		79.6000	*	41.1626
Sulfate	mg/L	MW-2I	11/11/2020		70.4000	*	41.1626
Sulfate	mg/L	MW-2I	05/11/2021		112.0000	*	41.1626
Sulfate	mg/L	MW-2I	11/10/2021		82.1000	*	41.1626
Sulfate	mg/L	MW-2I	05/11/2022		80.2000	*	41.1626
Sulfate	mg/L	MW-2I	11/15/2022		185.0000	*	41.1626
Sulfate	mg/L	MW-2I	04/19/2023		142.0000	*	41.1626
Sulfate	mg/L	MW-2I	10/10/2023		88.5000	*	41.1626
Sulfate	mg/L	MW-2I	04/05/2024		80.3000	*	41.1626
Sulfate	mg/L	MW-2I	10/07/2024		78.4000	*	41.1626
Sulfate	mg/L	MW-3I	04/20/2016		164.0000	*	41.1626
Sulfate	mg/L	MW-3I	06/01/2016		148.0000	*	41.1626
Sulfate	mg/L	MW-3I	08/11/2016		172.0000	*	41.1626
Sulfate	mg/L	MW-3I	09/30/2016		146.0000	*	41.1626
Sulfate	mg/L	MW-3I	12/02/2016		124.0000	*	41.1626
Sulfate	mg/L	MW-3I	01/31/2017		110.0000	*	41.1626
Sulfate	mg/L	MW-3I	05/25/2017		90.7000	*	41.1626
Sulfate	mg/L	MW-3I	08/11/2017		72.4000	*	41.1626
Sulfate	mg/L	MW-3I	09/27/2017		55.7000	*	41.1626
Sulfate	mg/L	MW-3I	05/22/2018		91.2000	*	41.1626
Sulfate	mg/L	MW-3I	09/11/2018		89.1000	*	41.1626
Sulfate	mg/L	MW-3I	05/09/2019		76.9000	*	41.1626
Sulfate	mg/L	MW-3I	11/13/2019		69.0000	*	41.1626
Sulfate	mg/L	MW-3I	05/05/2020		63.9000	*	41.1626
Sulfate	mg/L	MW-3I	11/11/2020		85.9000	*	41.1626
Sulfate	mg/L	MW-3I	05/11/2021		215.0000	*	41.1626
Sulfate	mg/L	MW-3I	11/18/2021		138.0000	*	41.1626
Sulfate	mg/L	MW-3I	05/11/2022		185.0000	*	41.1626
Sulfate	mg/L	MW-3I	11/15/2022		156.0000	*	41.1626
Sulfate	mg/L	MW-3I	04/17/2023		101.0000	*	41.1626
Sulfate	mg/L	MW-3I	10/09/2023		76.4000	*	41.1626
Sulfate	mg/L	MW-3I	04/04/2024		95.8000	*	41.1626
Sulfate	mg/L	MW-3I	10/07/2024		182.0000	*	41.1626
Sulfate	mg/L	MW-6I	04/20/2016		207.0000	*	41.1626
Sulfate	mg/L	MW-6I	06/01/2016		143.0000	*	41.1626
Sulfate	mg/L	MW-6I	08/11/2016		159.0000	*	41.1626
Sulfate	mg/L	MW-6I	09/29/2016		186.0000	*	41.1626
Sulfate	mg/L	MW-6I	12/01/2016		198.0000	*	41.1626
Sulfate	mg/L	MW-6I	01/30/2017		234.0000	*	41.1626
Sulfate	mg/L	MW-6I	05/25/2017		198.0000	*	41.1626
Sulfate	mg/L	MW-6I	08/10/2017		271.0000	*	41.1626
Sulfate	mg/L	MW-6I	09/27/2017		185.0000	*	41.1626
Sulfate	mg/L	MW-6I	05/22/2018		202.0000	*	41.1626
Sulfate	mg/L	MW-6I	09/12/2018		186.0000	*	41.1626
Sulfate	mg/L	MW-6I	05/08/2019		176.0000	*	41.1626
Sulfate	mg/L	MW-6I	11/14/2019		229.0000	*	41.1626
Sulfate	mg/L	MW-6I	05/08/2020		201.0000	*	41.1626
Sulfate	mg/L	MW-6I	11/10/2020		128.0000	*	41.1626
Sulfate	mg/L	MW-6I	05/18/2021		86.1000	*	41.1626
Sulfate	mg/L	MW-6I	11/09/2021		1480.0000	*	41.1626

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-6I	05/11/2022		143.0000	*	41.1626
Sulfate	mg/L	MW-6I	11/15/2022		163.0000	*	41.1626
Sulfate	mg/L	MW-6I	05/01/2023		189.0000	*	41.1626
Sulfate	mg/L	MW-6I	10/10/2023		172.0000	*	41.1626
Sulfate	mg/L	MW-6I	04/04/2024		201.0000	*	41.1626
Sulfate	mg/L	MW-6I	10/02/2024		178.0000	*	41.1626
Total Dissolved Solids	mg/L	MW-11I	04/20/2016		763.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	06/02/2016		809.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	08/12/2016		810.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	09/30/2016		809.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	12/01/2016		803.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	01/31/2017		802.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	05/25/2017		830.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	08/10/2017		806.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	09/28/2017		802.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	05/22/2018		816.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	09/12/2018		821.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	05/08/2019		804.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	11/14/2019		759.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	05/07/2020		704.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	11/12/2020		524.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	05/17/2021		477.0000		521.3513
Total Dissolved Solids	mg/L	MW-11I	11/17/2021		597.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	05/12/2022		504.0000		521.3513
Total Dissolved Solids	mg/L	MW-11I	11/21/2022		615.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	05/02/2023		479.0000		521.3513
Total Dissolved Solids	mg/L	MW-11I	10/09/2023		570.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-11I	04/09/2024		496.0000		521.3513
Total Dissolved Solids	mg/L	MW-11I	10/15/2024		558.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	04/20/2016		680.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	06/01/2016		570.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	08/11/2016		616.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	09/30/2016		629.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	12/02/2016		549.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	01/31/2017		517.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	05/25/2017		496.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	08/11/2017		511.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	09/27/2017		497.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	05/22/2018		497.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	09/11/2018		485.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	05/09/2019		467.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	11/13/2019		449.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	05/05/2020		400.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	11/11/2020		454.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	05/11/2021		678.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	11/18/2021		686.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	05/11/2022		792.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	11/15/2022		697.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-3I	04/17/2023		513.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	10/09/2023		462.0000		521.3513

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-3I	04/04/2024		493.0000		521.3513
Total Dissolved Solids	mg/L	MW-3I	10/07/2024		678.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	04/20/2016		878.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	06/01/2016		900.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	08/11/2016		874.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	09/29/2016		879.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	12/01/2016		954.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	01/30/2017		866.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	05/25/2017		857.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	08/10/2017		852.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	09/27/2017		837.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	05/22/2018		772.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	09/12/2018		772.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	05/08/2019		744.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	11/14/2019		824.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	05/08/2020		673.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	11/10/2020		562.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	05/18/2021		521.0000		521.3513
Total Dissolved Solids	mg/L	MW-6I	11/09/2021		594.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	05/11/2022		612.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	11/15/2022		607.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	05/01/2023		668.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	10/10/2023		677.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	04/04/2024		673.0000	*	521.3513
Total Dissolved Solids	mg/L	MW-6I	10/02/2024		802.0000	*	521.3513

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13I	05/07/2020	ND	6.0000	1.0000	**
Antimony, Total	ug/L	MW-13I	11/12/2020	ND	1.0000		
Antimony, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13I	11/18/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Arsenic, Total	ug/L	MW-13I	11/12/2020		2.0000		
Arsenic, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	11/18/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Barium, Total	ug/L	MW-13I	08/08/2019		36.0000		
Barium, Total	ug/L	MW-13I	09/24/2019		35.6000		
Barium, Total	ug/L	MW-13I	05/07/2020		38.1000		
Barium, Total	ug/L	MW-13I	11/12/2020		38.0000		
Barium, Total	ug/L	MW-13I	02/25/2021		42.2000		
Barium, Total	ug/L	MW-13I	03/29/2021		46.0000		
Barium, Total	ug/L	MW-13I	05/20/2021		42.4000		
Barium, Total	ug/L	MW-13I	06/22/2021		41.3000		
Barium, Total	ug/L	MW-13I	07/27/2021		43.6000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-13I	11/16/2021		37.9000		
Barium, Total	ug/L	MW-13I	05/19/2022		44.0000		
Barium, Total	ug/L	MW-13I	11/18/2022		42.2000		
Barium, Total	ug/L	MW-13I	04/18/2023		37.8000		
Barium, Total	ug/L	MW-13I	10/11/2023		35.4000		
Barium, Total	ug/L	MW-13I	04/10/2024		34.4000		
Barium, Total	ug/L	MW-13I	10/04/2024		29.0000		
Beryllium, Total	ug/L	MW-13I	08/08/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	09/24/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	05/07/2020	ND	4.0000	0.2000	**
Beryllium, Total	ug/L	MW-13I	11/12/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	02/25/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	03/29/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	05/20/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	06/22/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	07/27/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	05/19/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	04/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	04/10/2024	ND	0.2000		
Cadmium, Total	ug/L	MW-13I	08/08/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	09/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	05/07/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	11/12/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	02/25/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	03/29/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	05/20/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	06/22/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	07/27/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	05/19/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	04/18/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	04/10/2024	ND	2.0000		
Chromium, Total	ug/L	MW-13I	08/08/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13I	09/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13I	05/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13I	11/12/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13I	02/25/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	03/29/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	05/20/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	06/22/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	07/27/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	05/19/2022	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, Total	ug/L	MW-13I	04/18/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13I	04/10/2024	ND	10.0000		
Cobalt, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Cobalt, Total	ug/L	MW-13I	11/12/2020		1.0000		
Cobalt, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Fluoride	mg/L	MW-13I	08/08/2019	ND	0.1000		
Fluoride	mg/L	MW-13I	09/24/2019	ND	0.1000		
Fluoride	mg/L	MW-13I	05/07/2020	ND	0.1000		
Fluoride	mg/L	MW-13I	11/12/2020	ND	0.1000		
Fluoride	mg/L	MW-13I	02/25/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	03/29/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	05/20/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	06/22/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	07/27/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	11/16/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	05/19/2022	ND	0.1000		
Fluoride	mg/L	MW-13I	11/18/2022	ND	0.1000		
Fluoride	mg/L	MW-13I	04/18/2023	ND	0.1000		
Fluoride	mg/L	MW-13I	10/11/2023	ND	0.1000		
Fluoride	mg/L	MW-13I	04/10/2024	ND	0.1000		
Fluoride	mg/L	MW-13I	10/04/2024	ND	0.1000		
Lead, Total	ug/L	MW-13I	08/08/2019	ND	10.0000		
Lead, Total	ug/L	MW-13I	09/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-13I	05/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-13I	11/12/2020	ND	10.0000		
Lead, Total	ug/L	MW-13I	02/25/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	03/29/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	05/20/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	06/22/2021	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-13I	07/27/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	05/19/2022	ND	10.0000		
Lead, Total	ug/L	MW-13I	04/18/2023	ND	10.0000		
Lead, Total	ug/L	MW-13I	04/10/2024	ND	10.0000		
Lead, Total	ug/L	MW-13I	10/04/2024	ND	10.0000		
Lithium, Total	ug/L	MW-13I	08/08/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13I	09/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13I	05/07/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13I	11/12/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13I	02/25/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	03/29/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	05/20/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	06/22/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	07/27/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	11/16/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	05/19/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13I	11/18/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13I	04/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13I	10/11/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13I	04/10/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13I	10/04/2024	ND	20.0000		
Mercury	ug/L	MW-13I	08/08/2019	ND	2.0000		
Mercury	ug/L	MW-13I	09/24/2019	ND	2.0000		
Mercury	ug/L	MW-13I	11/12/2020	ND	2.0000		
Mercury	ug/L	MW-13I	02/25/2021	ND	2.0000		
Mercury	ug/L	MW-13I	03/29/2021	ND	2.0000		
Mercury	ug/L	MW-13I	05/20/2021	ND	2.0000		
Mercury	ug/L	MW-13I	06/22/2021	ND	2.0000		
Mercury	ug/L	MW-13I	07/27/2021	ND	2.0000		
Mercury	ug/L	MW-13I	05/19/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13I	04/18/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13I	04/10/2024	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-13I	08/08/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	09/24/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	05/07/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	11/12/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	02/25/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	03/29/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	05/20/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	06/22/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	07/27/2021	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum, Total	ug/L	MW-13I	11/16/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	05/19/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	11/18/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	04/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	10/11/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	04/10/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	10/04/2024	ND	10.0000		
Selenium, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Selenium, Total	ug/L	MW-13I	11/12/2020	ND	1.0000		
Selenium, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13I	11/18/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Selenium, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Thallium, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Thallium, Total	ug/L	MW-13I	11/12/2020	ND	1.0000		
Thallium, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Thallium, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Thallium, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Total Radium	pCi/L	MW-13I	08/08/2019		0.8760		
Total Radium	pCi/L	MW-13I	09/24/2019		1.1500		
Total Radium	pCi/L	MW-13I	11/12/2020		0.7030		
Total Radium	pCi/L	MW-13I	02/25/2021		1.0800		
Total Radium	pCi/L	MW-13I	03/29/2021	ND	1.4900	1.8800	**
Total Radium	pCi/L	MW-13I	05/20/2021	ND	2.0100	1.8800	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Total Radium	pCi/L	MW-13I	06/22/2021		0.8170		
Total Radium	pCi/L	MW-13I	07/27/2021	ND	1.3500	1.8800	**
Total Radium	pCi/L	MW-13I	11/16/2021		0.5810		
Total Radium	pCi/L	MW-13I	05/19/2022		1.2800		
Total Radium	pCi/L	MW-13I	11/18/2022		1.0300		
Total Radium	pCi/L	MW-13I	04/18/2023	ND	1.8800		
Total Radium	pCi/L	MW-13I	10/11/2023		0.7400		
Total Radium	pCi/L	MW-13I	04/10/2024	ND	3.0400	1.8800	**
Total Radium	pCi/L	MW-13I	10/04/2024	ND	2.3300	1.8800	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-11I	10/15/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1I	10/15/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2I	10/07/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-3I	10/07/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6I	10/02/2024	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-11I	10/15/2024		1.2000		2.0000
Arsenic, Total	ug/L	MW-1I	10/15/2024	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-2I	10/07/2024	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-3I	10/07/2024	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-6I	10/02/2024	ND	1.0000		2.0000
Barium, Total	ug/L	MW-11I	10/15/2024		58.4000	***	50.8125
Barium, Total	ug/L	MW-1I	10/15/2024		51.0000	*	50.8125
Barium, Total	ug/L	MW-2I	10/07/2024		67.9000	***	50.8125
Barium, Total	ug/L	MW-3I	10/07/2024		97.1000	***	50.8125
Barium, Total	ug/L	MW-6I	10/02/2024		91.0000	***	50.8125
Beryllium, Total	ug/L	MW-11I	04/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1I	04/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2I	04/05/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-3I	04/04/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6I	04/04/2024	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-11I	04/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1I	04/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2I	04/05/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-3I	04/04/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6I	04/04/2024	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-11I	04/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1I	04/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2I	04/05/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-3I	04/04/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6I	04/04/2024	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-11I	10/15/2024	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-1I	10/15/2024	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-2I	10/07/2024	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-3I	10/07/2024	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-6I	10/02/2024		1.0000		1.0000
Fluoride	mg/L	MW-11I	10/15/2024		0.4200	***	0.1000
Fluoride	mg/L	MW-1I	10/15/2024		0.3200	***	0.1000
Fluoride	mg/L	MW-2I	10/07/2024		0.3000	***	0.1000
Fluoride	mg/L	MW-3I	10/07/2024		0.3300	***	0.1000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6I	10/02/2024		0.2700	***	0.1000
Lead, Total	ug/L	MW-11I	10/15/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1I	10/15/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2I	10/07/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-3I	10/07/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6I	10/02/2024	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-11I	10/15/2024		102.0000	***	20.0000
Lithium, Total	ug/L	MW-1I	10/15/2024		79.0000	***	20.0000
Lithium, Total	ug/L	MW-2I	10/07/2024		29.3000	***	20.0000
Lithium, Total	ug/L	MW-3I	10/07/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-6I	10/02/2024		120.0000	***	20.0000
Mercury	ug/L	MW-11I	04/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-1I	04/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-2I	04/05/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-3I	04/04/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-6I	04/04/2024	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-11I	10/15/2024		116.0000	***	10.0000
Molybdenum, Total	ug/L	MW-1I	10/15/2024		91.2000	***	10.0000
Molybdenum, Total	ug/L	MW-2I	10/07/2024		86.0000	***	10.0000
Molybdenum, Total	ug/L	MW-3I	10/07/2024		41.0000	***	10.0000
Molybdenum, Total	ug/L	MW-6I	10/02/2024		120.0000	***	10.0000
Selenium, Total	ug/L	MW-11I	10/15/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-1I	10/15/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-2I	10/07/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3I	10/07/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-6I	10/02/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11I	04/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1I	04/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2I	04/05/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3I	04/04/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6I	04/04/2024	ND	1.0000		1.0000
Total Radium	pCi/L	MW-11I	10/15/2024	ND	2.5400		1.6425
Total Radium	pCi/L	MW-1I	10/15/2024	ND	2.0500		1.6425
Total Radium	pCi/L	MW-2I	10/07/2024		1.0600		1.6425
Total Radium	pCi/L	MW-3I	10/07/2024	ND	1.8200	**	1.6425
Total Radium	pCi/L	MW-6I	10/02/2024		1.5600	**	1.6425

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Antimony, Total	0	16	0.000	0	110	0.000
Arsenic, Total	1	16	0.063	9	110	0.082
Barium, Total	16	16	1.000	110	110	1.000
Beryllium, Total	0	12	0.000	0	75	0.000
Cadmium, Total	0	12	0.000	0	75	0.000
Chromium, Total	0	12	0.000	0	75	0.000
Cobalt, Total	1	15	0.067	1	105	0.010
Fluoride	0	16	0.000	115	115	1.000
Lead, Total	0	13	0.000	0	80	0.000
Lithium, Total	0	16	0.000	103	110	0.936
Mercury	0	11	0.000	0	75	0.000
Molybdenum, Total	0	16	0.000	110	110	1.000
Selenium, Total	0	16	0.000	0	110	0.000
Thallium, Total	0	12	0.000	0	75	0.000
Total Radium	9	15	0.600	96	110	0.873

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Arsenic, Total	1	16	0.063	4.567	4.567					2.326	non-norm	nonpar
Barium, Total	16	16	1.000	0.091	0.565					2.326	normal	normal
Beryllium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Cadmium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Chromium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Cobalt, Total	1	15	0.067	4.373	4.373					2.326	non-norm	nonpar
Fluoride	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Lead, Total	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Lithium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Mercury	0	11	0.000	3.485	3.485					2.326	non-norm	nonpar
Molybdenum, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Selenium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Thallium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Total Radium	9	15	0.600	2.465	1.904					2.326	lognor	lognor

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, Total	ug/L	0	16					1.0000	nonpar	***	0.97
Arsenic, Total	ug/L	1	16					2.0000	nonpar		0.97
Barium, Total	ug/L	16	16	38.9937	4.4093	0.0100	2.6804	50.8125	normal		
Beryllium, Total	ug/L	0	12					0.2000	nonpar	***	0.95
Cadmium, Total	ug/L	0	12					2.0000	nonpar	***	0.95
Chromium, Total	ug/L	0	12					10.0000	nonpar	***	0.95
Cobalt, Total	ug/L	1	15					1.0000	nonpar	***	0.97
Fluoride	mg/L	0	16					0.1000	nonpar	***	0.97
Lead, Total	ug/L	0	13					10.0000	nonpar	***	0.96
Lithium, Total	ug/L	0	16					20.0000	nonpar	***	0.97
Mercury	ug/L	0	11					2.0000	nonpar	***	0.94
Molybdenum, Total	ug/L	0	16					10.0000	nonpar	***	0.97
Selenium, Total	ug/L	0	16					1.0000	nonpar	***	0.97
Thallium, Total	ug/L	0	12					1.0000	nonpar	***	0.95
Total Radium	pCi/L	9	15	-0.0692	0.2088	0.0100	2.7079	1.6425	lognor		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-11I	04/20/2016		72.6000	*	50.8125
Barium, Total	ug/L	MW-11I	06/02/2016		68.4000	*	50.8125
Barium, Total	ug/L	MW-11I	08/12/2016		69.2000	*	50.8125
Barium, Total	ug/L	MW-11I	09/30/2016		67.5000	*	50.8125
Barium, Total	ug/L	MW-11I	12/01/2016		74.8000	*	50.8125
Barium, Total	ug/L	MW-11I	01/31/2017		65.3000	*	50.8125
Barium, Total	ug/L	MW-11I	05/25/2017		71.5000	*	50.8125
Barium, Total	ug/L	MW-11I	08/10/2017		65.1000	*	50.8125
Barium, Total	ug/L	MW-11I	05/22/2018		66.1000	*	50.8125
Barium, Total	ug/L	MW-11I	09/12/2018		72.6000	*	50.8125
Barium, Total	ug/L	MW-11I	05/08/2019		65.1000	*	50.8125
Barium, Total	ug/L	MW-11I	11/14/2019		64.1000	*	50.8125
Barium, Total	ug/L	MW-11I	05/07/2020		55.8000	*	50.8125
Barium, Total	ug/L	MW-11I	11/12/2020		43.0000		50.8125
Barium, Total	ug/L	MW-11I	05/17/2021		53.0000	*	50.8125
Barium, Total	ug/L	MW-11I	11/17/2021		62.3000	*	50.8125
Barium, Total	ug/L	MW-11I	05/12/2022		50.3000		50.8125
Barium, Total	ug/L	MW-11I	11/21/2022		73.2000	*	50.8125
Barium, Total	ug/L	MW-11I	05/02/2023		51.0000	*	50.8125
Barium, Total	ug/L	MW-11I	10/09/2023		58.8000	*	50.8125
Barium, Total	ug/L	MW-11I	04/09/2024		57.0000	*	50.8125
Barium, Total	ug/L	MW-11I	10/15/2024		58.4000	*	50.8125
Barium, Total	ug/L	MW-1I	04/19/2016		52.8000	*	50.8125
Barium, Total	ug/L	MW-1I	06/02/2016		50.4000		50.8125
Barium, Total	ug/L	MW-1I	08/10/2016		54.4000	*	50.8125
Barium, Total	ug/L	MW-1I	09/30/2016		56.2000	*	50.8125
Barium, Total	ug/L	MW-1I	12/02/2016		60.0000	*	50.8125
Barium, Total	ug/L	MW-1I	01/31/2017		52.0000	*	50.8125
Barium, Total	ug/L	MW-1I	05/26/2017		49.8000		50.8125
Barium, Total	ug/L	MW-1I	08/11/2017		56.5000	*	50.8125
Barium, Total	ug/L	MW-1I	05/23/2018		75.6000	*	50.8125
Barium, Total	ug/L	MW-1I	09/11/2018		65.7000	*	50.8125
Barium, Total	ug/L	MW-1I	05/08/2019		59.4000	*	50.8125
Barium, Total	ug/L	MW-1I	11/14/2019		57.6000	*	50.8125
Barium, Total	ug/L	MW-1I	05/05/2020		55.0000	*	50.8125
Barium, Total	ug/L	MW-1I	11/11/2020		55.2000	*	50.8125
Barium, Total	ug/L	MW-1I	05/25/2021		55.4000	*	50.8125
Barium, Total	ug/L	MW-1I	11/09/2021		50.4000		50.8125

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-1I	05/10/2022		54.1000	*	50.8125
Barium, Total	ug/L	MW-1I	11/22/2022		81.9000	*	50.8125
Barium, Total	ug/L	MW-1I	04/19/2023		52.7000	*	50.8125
Barium, Total	ug/L	MW-1I	10/11/2023		63.4000	*	50.8125
Barium, Total	ug/L	MW-1I	04/09/2024		41.9000		50.8125
Barium, Total	ug/L	MW-1I	10/15/2024		51.0000	*	50.8125
Barium, Total	ug/L	MW-2I	04/19/2016		76.3000	*	50.8125
Barium, Total	ug/L	MW-2I	06/01/2016		61.9000	*	50.8125
Barium, Total	ug/L	MW-2I	08/11/2016		65.0000	*	50.8125
Barium, Total	ug/L	MW-2I	09/30/2016		59.7000	*	50.8125
Barium, Total	ug/L	MW-2I	12/02/2016		66.5000	*	50.8125
Barium, Total	ug/L	MW-2I	01/31/2017		74.4000	*	50.8125
Barium, Total	ug/L	MW-2I	05/26/2017		82.4000	*	50.8125
Barium, Total	ug/L	MW-2I	08/11/2017		85.2000	*	50.8125
Barium, Total	ug/L	MW-2I	05/22/2018		64.6000	*	50.8125
Barium, Total	ug/L	MW-2I	09/11/2018		53.7000	*	50.8125
Barium, Total	ug/L	MW-2I	05/09/2019		61.8000	*	50.8125
Barium, Total	ug/L	MW-2I	11/13/2019		65.2000	*	50.8125
Barium, Total	ug/L	MW-2I	05/05/2020		60.1000	*	50.8125
Barium, Total	ug/L	MW-2I	11/11/2020		69.2000	*	50.8125
Barium, Total	ug/L	MW-2I	05/11/2021		82.3000	*	50.8125
Barium, Total	ug/L	MW-2I	11/10/2021		69.3000	*	50.8125
Barium, Total	ug/L	MW-2I	05/11/2022		67.9000	*	50.8125
Barium, Total	ug/L	MW-2I	11/15/2022		109.0000	*	50.8125
Barium, Total	ug/L	MW-2I	04/19/2023		94.9000	*	50.8125
Barium, Total	ug/L	MW-2I	10/10/2023		75.1000	*	50.8125
Barium, Total	ug/L	MW-2I	04/05/2024		70.1000	*	50.8125
Barium, Total	ug/L	MW-2I	10/07/2024		67.9000	*	50.8125
Barium, Total	ug/L	MW-3I	04/20/2016		73.9000	*	50.8125
Barium, Total	ug/L	MW-3I	06/01/2016		72.2000	*	50.8125
Barium, Total	ug/L	MW-3I	08/11/2016		72.7000	*	50.8125
Barium, Total	ug/L	MW-3I	09/30/2016		76.8000	*	50.8125
Barium, Total	ug/L	MW-3I	12/02/2016		76.5000	*	50.8125
Barium, Total	ug/L	MW-3I	01/31/2017		71.3000	*	50.8125
Barium, Total	ug/L	MW-3I	05/25/2017		66.8000	*	50.8125
Barium, Total	ug/L	MW-3I	08/11/2017		71.3000	*	50.8125
Barium, Total	ug/L	MW-3I	05/22/2018		63.8000	*	50.8125
Barium, Total	ug/L	MW-3I	09/11/2018		53.9000	*	50.8125

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-3I	05/09/2019		58.2000	*	50.8125
Barium, Total	ug/L	MW-3I	11/13/2019		51.8000	*	50.8125
Barium, Total	ug/L	MW-3I	05/05/2020		56.7000	*	50.8125
Barium, Total	ug/L	MW-3I	11/11/2020		60.0000	*	50.8125
Barium, Total	ug/L	MW-3I	05/11/2021		91.1000	*	50.8125
Barium, Total	ug/L	MW-3I	11/18/2021		93.9000	*	50.8125
Barium, Total	ug/L	MW-3I	05/11/2022		93.3000	*	50.8125
Barium, Total	ug/L	MW-3I	11/15/2022		84.5000	*	50.8125
Barium, Total	ug/L	MW-3I	04/17/2023		62.4000	*	50.8125
Barium, Total	ug/L	MW-3I	10/09/2023		55.1000	*	50.8125
Barium, Total	ug/L	MW-3I	04/04/2024		71.4000	*	50.8125
Barium, Total	ug/L	MW-3I	10/07/2024		97.1000	*	50.8125
Barium, Total	ug/L	MW-6I	04/20/2016		64.0000	*	50.8125
Barium, Total	ug/L	MW-6I	06/01/2016		59.4000	*	50.8125
Barium, Total	ug/L	MW-6I	08/11/2016		55.5000	*	50.8125
Barium, Total	ug/L	MW-6I	09/29/2016		56.6000	*	50.8125
Barium, Total	ug/L	MW-6I	12/01/2016		62.9000	*	50.8125
Barium, Total	ug/L	MW-6I	01/30/2017		64.2000	*	50.8125
Barium, Total	ug/L	MW-6I	05/25/2017		60.5000	*	50.8125
Barium, Total	ug/L	MW-6I	08/10/2017		58.7000	*	50.8125
Barium, Total	ug/L	MW-6I	05/22/2018		42.4000		50.8125
Barium, Total	ug/L	MW-6I	09/12/2018		42.3000		50.8125
Barium, Total	ug/L	MW-6I	05/08/2019		60.8000	*	50.8125
Barium, Total	ug/L	MW-6I	11/14/2019		57.1000	*	50.8125
Barium, Total	ug/L	MW-6I	05/08/2020		52.7000	*	50.8125
Barium, Total	ug/L	MW-6I	11/10/2020		49.3000		50.8125
Barium, Total	ug/L	MW-6I	05/18/2021		52.9000	*	50.8125
Barium, Total	ug/L	MW-6I	11/09/2021		65.0000	*	50.8125
Barium, Total	ug/L	MW-6I	05/11/2022		62.6000	*	50.8125
Barium, Total	ug/L	MW-6I	11/15/2022		67.1000	*	50.8125
Barium, Total	ug/L	MW-6I	05/01/2023		73.8000	*	50.8125
Barium, Total	ug/L	MW-6I	10/10/2023		76.4000	*	50.8125
Barium, Total	ug/L	MW-6I	04/04/2024		78.7000	*	50.8125
Barium, Total	ug/L	MW-6I	10/02/2024		91.0000	*	50.8125
Fluoride	mg/L	MW-11I	04/20/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	06/02/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	08/12/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-11I	09/30/2016		0.3900	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11I	12/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	05/25/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	08/10/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	09/28/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/22/2018		0.3700	*	0.1000
Fluoride	mg/L	MW-11I	09/12/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11I	05/08/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	11/14/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	05/07/2020		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/12/2020		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/17/2021		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/17/2021		0.3500	*	0.1000
Fluoride	mg/L	MW-11I	05/12/2022		0.4400	*	0.1000
Fluoride	mg/L	MW-11I	11/21/2022		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	05/02/2023		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	10/09/2023		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	04/09/2024		0.4600	*	0.1000
Fluoride	mg/L	MW-11I	10/15/2024		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	04/19/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	06/02/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	08/10/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	12/02/2016		0.4300	*	0.1000
Fluoride	mg/L	MW-1I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-1I	05/26/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-1I	08/11/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1I	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-1I	05/08/2019		0.3300	*	0.1000
Fluoride	mg/L	MW-1I	11/14/2019		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	05/05/2020		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	11/11/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-1I	05/25/2021		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	11/09/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	05/10/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-1I	11/22/2022		0.3200	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	10/11/2023		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	04/09/2024		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	10/15/2024		0.3200	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2016		0.4600	*	0.1000
Fluoride	mg/L	MW-2I	06/01/2016		0.4500	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-2I	12/02/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-2I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-2I	05/26/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	09/27/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2I	05/22/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-2I	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	11/13/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/05/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-2I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/11/2021		0.1800	*	0.1000
Fluoride	mg/L	MW-2I	11/10/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/11/2022		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-2I	10/10/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	04/05/2024		0.3400	*	0.1000
Fluoride	mg/L	MW-2I	10/07/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	04/20/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	06/01/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3I	12/02/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	01/31/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	05/25/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/27/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/11/2018		0.2500	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-3I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	11/13/2019		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/05/2020		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	05/11/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-3I	11/18/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-3I	05/11/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/15/2022		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	04/17/2023		0.3400	*	0.1000
Fluoride	mg/L	MW-3I	10/09/2023		0.4000	*	0.1000
Fluoride	mg/L	MW-3I	04/04/2024		0.3600	*	0.1000
Fluoride	mg/L	MW-3I	10/07/2024		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	04/20/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	06/01/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	08/11/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	09/29/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	12/01/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	01/30/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/25/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	08/10/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-6I	09/27/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	05/22/2018		0.2200	*	0.1000
Fluoride	mg/L	MW-6I	09/12/2018		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2019		0.2500	*	0.1000
Fluoride	mg/L	MW-6I	11/14/2019		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-6I	11/10/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/18/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-6I	11/09/2021		0.2700	*	0.1000
Fluoride	mg/L	MW-6I	05/11/2022		0.3500	*	0.1000
Fluoride	mg/L	MW-6I	11/15/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/01/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	10/10/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	04/04/2024		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	10/02/2024		0.2700	*	0.1000
Lithium, Total	ug/L	MW-11I	04/20/2016		120.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	06/02/2016		124.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	08/12/2016		115.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-11I	09/30/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	12/01/2016		123.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	01/31/2017		111.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/25/2017		123.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	08/10/2017		114.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/22/2018		109.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	09/12/2018		107.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/08/2019		104.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/14/2019		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/07/2020		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/12/2020		93.2000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/17/2021		107.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/17/2021		118.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/12/2022		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/21/2022		122.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/02/2023		97.4000	*	20.0000
Lithium, Total	ug/L	MW-11I	10/09/2023		107.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	04/09/2024		91.1000	*	20.0000
Lithium, Total	ug/L	MW-11I	10/15/2024		102.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	04/19/2016		100.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	06/02/2016		96.2000	*	20.0000
Lithium, Total	ug/L	MW-1I	08/10/2016		92.3000	*	20.0000
Lithium, Total	ug/L	MW-1I	09/30/2016		92.5000	*	20.0000
Lithium, Total	ug/L	MW-1I	12/02/2016		86.8000	*	20.0000
Lithium, Total	ug/L	MW-1I	01/31/2017		90.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/26/2017		97.5000	*	20.0000
Lithium, Total	ug/L	MW-1I	08/11/2017		99.3000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/23/2018		120.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	09/11/2018		98.2000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/08/2019		116.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/14/2019		100.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/05/2020		106.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/11/2020		92.4000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/25/2021		87.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/09/2021		92.5000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/10/2022		86.9000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/22/2022		94.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	04/19/2023		87.2000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-1I	10/11/2023		86.9000	*	20.0000
Lithium, Total	ug/L	MW-1I	04/09/2024		73.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	10/15/2024		79.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	04/19/2016		126.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	06/01/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	08/11/2016		114.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	09/30/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	12/02/2016		124.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	01/31/2017		124.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/26/2017		127.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	08/11/2017		109.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/22/2018		88.8000	*	20.0000
Lithium, Total	ug/L	MW-2I	09/11/2018		68.4000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/09/2019		86.5000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/13/2019		78.4000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/05/2020		77.7000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/11/2020		61.3000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/11/2021		58.1000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/10/2021		54.8000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/11/2022		47.4000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/15/2022		52.3000	*	20.0000
Lithium, Total	ug/L	MW-2I	04/19/2023		47.9000	*	20.0000
Lithium, Total	ug/L	MW-2I	10/10/2023		32.9000	*	20.0000
Lithium, Total	ug/L	MW-2I	04/05/2024		31.2000	*	20.0000
Lithium, Total	ug/L	MW-2I	10/07/2024		29.3000	*	20.0000
Lithium, Total	ug/L	MW-6I	04/20/2016		148.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	06/01/2016		146.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	08/11/2016		133.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	09/29/2016		136.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	12/01/2016		138.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	01/30/2017		140.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/25/2017		139.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	08/10/2017		129.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/22/2018		101.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	09/12/2018		90.1000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/08/2019		112.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	11/14/2019		97.8000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/08/2020		114.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-6I	11/10/2020		122.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/18/2021		102.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	11/09/2021		115.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/11/2022		113.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	11/15/2022		104.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/01/2023		99.5000	*	20.0000
Lithium, Total	ug/L	MW-6I	10/10/2023		100.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	04/04/2024		107.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	10/02/2024		120.0000	*	20.0000
Molybdenum, Total	ug/L	MW-11I	04/20/2016		179.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	06/02/2016		180.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	08/12/2016		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	09/30/2016		172.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	12/01/2016		177.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	01/31/2017		164.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/25/2017		174.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	08/10/2017		181.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/22/2018		170.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	09/12/2018		165.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/08/2019		169.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/14/2019		156.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/07/2020		170.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/12/2020		164.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/17/2021		152.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/17/2021		149.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/12/2022		148.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/21/2022		127.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/02/2023		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	10/09/2023		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	04/09/2024		127.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	10/15/2024		116.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	04/19/2016		126.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	06/02/2016		126.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	08/10/2016		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	09/30/2016		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	12/02/2016		120.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	01/31/2017		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/26/2017		123.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-1I	08/11/2017		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/23/2018		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	09/11/2018		100.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/08/2019		114.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/14/2019		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/05/2020		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/11/2020		99.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/25/2021		97.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/09/2021		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/10/2022		96.3000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/22/2022		87.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	04/19/2023		87.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	10/11/2023		81.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	04/09/2024		95.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	10/15/2024		91.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	04/19/2016		102.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	06/01/2016		115.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	08/11/2016		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	09/30/2016		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	12/02/2016		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	01/31/2017		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/26/2017		92.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	08/11/2017		84.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/22/2018		75.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	09/11/2018		56.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/09/2019		67.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/13/2019		62.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/05/2020		64.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/11/2020		63.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/11/2021		64.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/10/2021		57.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/11/2022		65.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/15/2022		59.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	04/19/2023		73.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	10/10/2023		76.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	04/05/2024		88.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	10/07/2024		86.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	04/20/2016		71.1000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-3I	06/01/2016		66.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	08/11/2016		64.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	09/30/2016		57.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	12/02/2016		58.8000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	01/31/2017		60.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/25/2017		57.8000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	08/11/2017		58.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/22/2018		79.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	09/11/2018		75.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/09/2019		91.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/13/2019		78.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/05/2020		80.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/11/2020		69.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/11/2021		59.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/18/2021		61.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/11/2022		60.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/15/2022		56.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	04/17/2023		68.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	10/09/2023		56.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	04/04/2024		42.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	10/07/2024		41.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	04/20/2016		201.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	06/01/2016		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	08/11/2016		215.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	09/29/2016		214.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	12/01/2016		204.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	01/30/2017		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/25/2017		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	08/10/2017		207.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/22/2018		257.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	09/12/2018		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/08/2019		169.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	11/14/2019		186.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/08/2020		207.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	11/10/2020		229.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/18/2021		231.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	11/09/2021		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/11/2022		209.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-6I	11/15/2022		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/01/2023		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	10/10/2023		160.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	04/04/2024		165.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	10/02/2024		120.0000	*	10.0000
Total Radium	pCi/L	MW-3I	04/20/2016		0.8930		1.6425
Total Radium	pCi/L	MW-3I	06/01/2016		1.0800		1.6425
Total Radium	pCi/L	MW-3I	08/11/2016		1.8800	*	1.6425
Total Radium	pCi/L	MW-3I	09/30/2016		1.6300		1.6425
Total Radium	pCi/L	MW-3I	12/02/2016	ND	1.6100		1.6425
Total Radium	pCi/L	MW-3I	01/31/2017	ND	2.0800		1.6425
Total Radium	pCi/L	MW-3I	05/25/2017		1.5400		1.6425
Total Radium	pCi/L	MW-3I	08/11/2017		1.0800		1.6425
Total Radium	pCi/L	MW-3I	05/22/2018		1.4200		1.6425
Total Radium	pCi/L	MW-3I	09/11/2018		1.2000		1.6425
Total Radium	pCi/L	MW-3I	05/09/2019		1.6900	*	1.6425
Total Radium	pCi/L	MW-3I	11/13/2019		0.9150		1.6425
Total Radium	pCi/L	MW-3I	05/05/2020		1.6400		1.6425
Total Radium	pCi/L	MW-3I	11/11/2020		1.0200		1.6425
Total Radium	pCi/L	MW-3I	05/11/2021	ND	1.9200		1.6425
Total Radium	pCi/L	MW-3I	11/18/2021		0.8780		1.6425
Total Radium	pCi/L	MW-3I	05/11/2022		1.3800		1.6425
Total Radium	pCi/L	MW-3I	11/15/2022		1.1600		1.6425
Total Radium	pCi/L	MW-3I	04/17/2023		0.9120		1.6425
Total Radium	pCi/L	MW-3I	10/09/2023		1.2600		1.6425
Total Radium	pCi/L	MW-3I	04/04/2024		1.9200	*	1.6425
Total Radium	pCi/L	MW-3I	10/07/2024	ND	1.8200		1.6425
Total Radium	pCi/L	MW-6I	04/20/2016		0.9390		1.6425
Total Radium	pCi/L	MW-6I	06/01/2016		2.0200	*	1.6425
Total Radium	pCi/L	MW-6I	08/11/2016		1.4900		1.6425
Total Radium	pCi/L	MW-6I	09/29/2016		2.4700	*	1.6425
Total Radium	pCi/L	MW-6I	12/01/2016		1.0400		1.6425
Total Radium	pCi/L	MW-6I	01/30/2017		1.6100		1.6425
Total Radium	pCi/L	MW-6I	05/25/2017		2.0500	*	1.6425
Total Radium	pCi/L	MW-6I	08/10/2017		2.2900	*	1.6425
Total Radium	pCi/L	MW-6I	05/22/2018		1.6300		1.6425
Total Radium	pCi/L	MW-6I	09/12/2018		1.5100		1.6425
Total Radium	pCi/L	MW-6I	05/08/2019		0.7700		1.6425

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

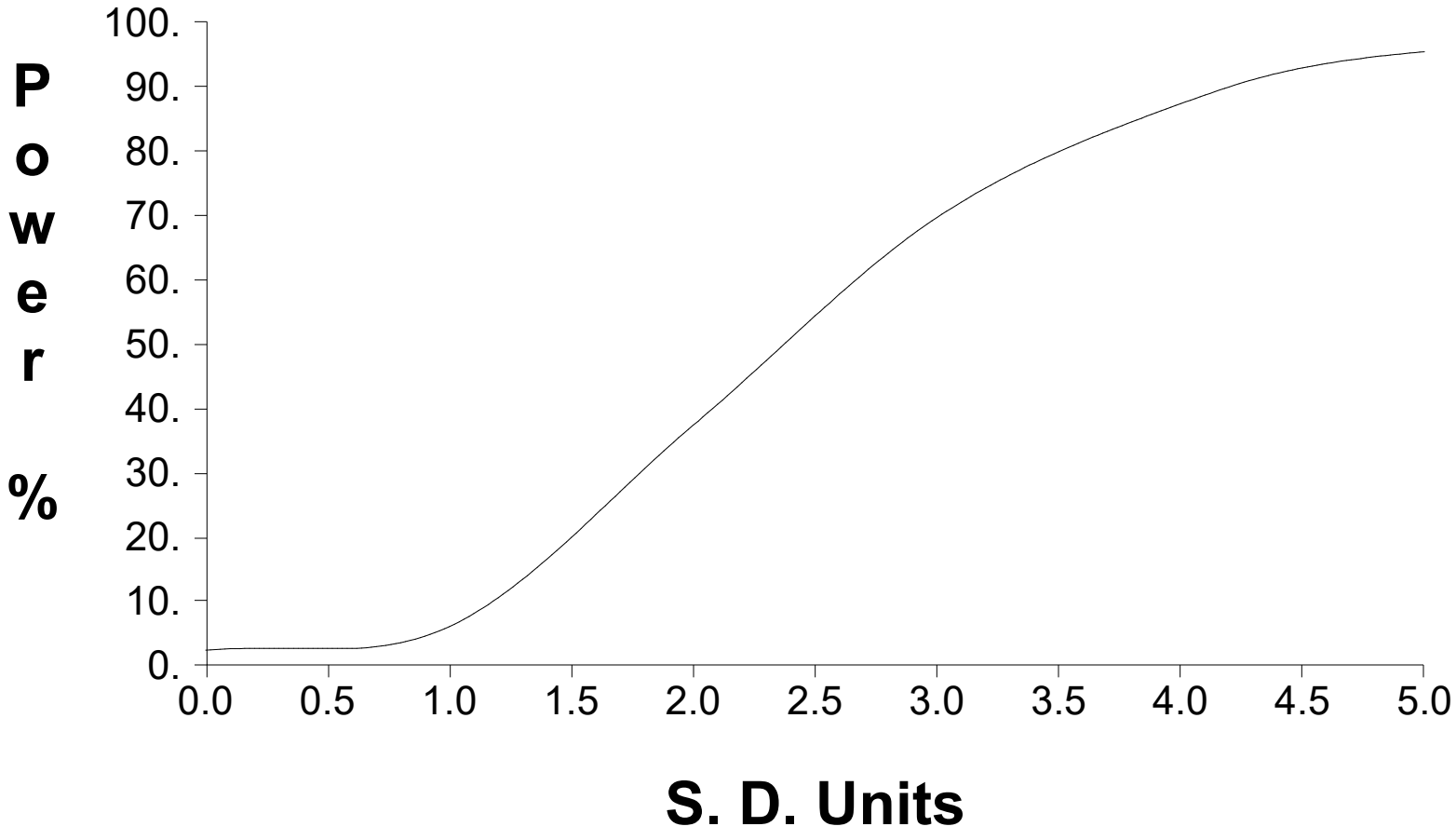
Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Radium	pCi/L	MW-6I	11/14/2019		1.5300		1.6425
Total Radium	pCi/L	MW-6I	05/08/2020		2.0400	*	1.6425
Total Radium	pCi/L	MW-6I	11/10/2020		1.0900		1.6425
Total Radium	pCi/L	MW-6I	05/18/2021		2.5200	*	1.6425
Total Radium	pCi/L	MW-6I	11/09/2021		1.5300		1.6425
Total Radium	pCi/L	MW-6I	05/11/2022		1.3800		1.6425
Total Radium	pCi/L	MW-6I	11/15/2022		1.6300		1.6425
Total Radium	pCi/L	MW-6I	05/01/2023		1.8800	*	1.6425
Total Radium	pCi/L	MW-6I	10/10/2023		1.7100	*	1.6425
Total Radium	pCi/L	MW-6I	04/04/2024		2.0400	*	1.6425
Total Radium	pCi/L	MW-6I	10/02/2024		1.5600		1.6425

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

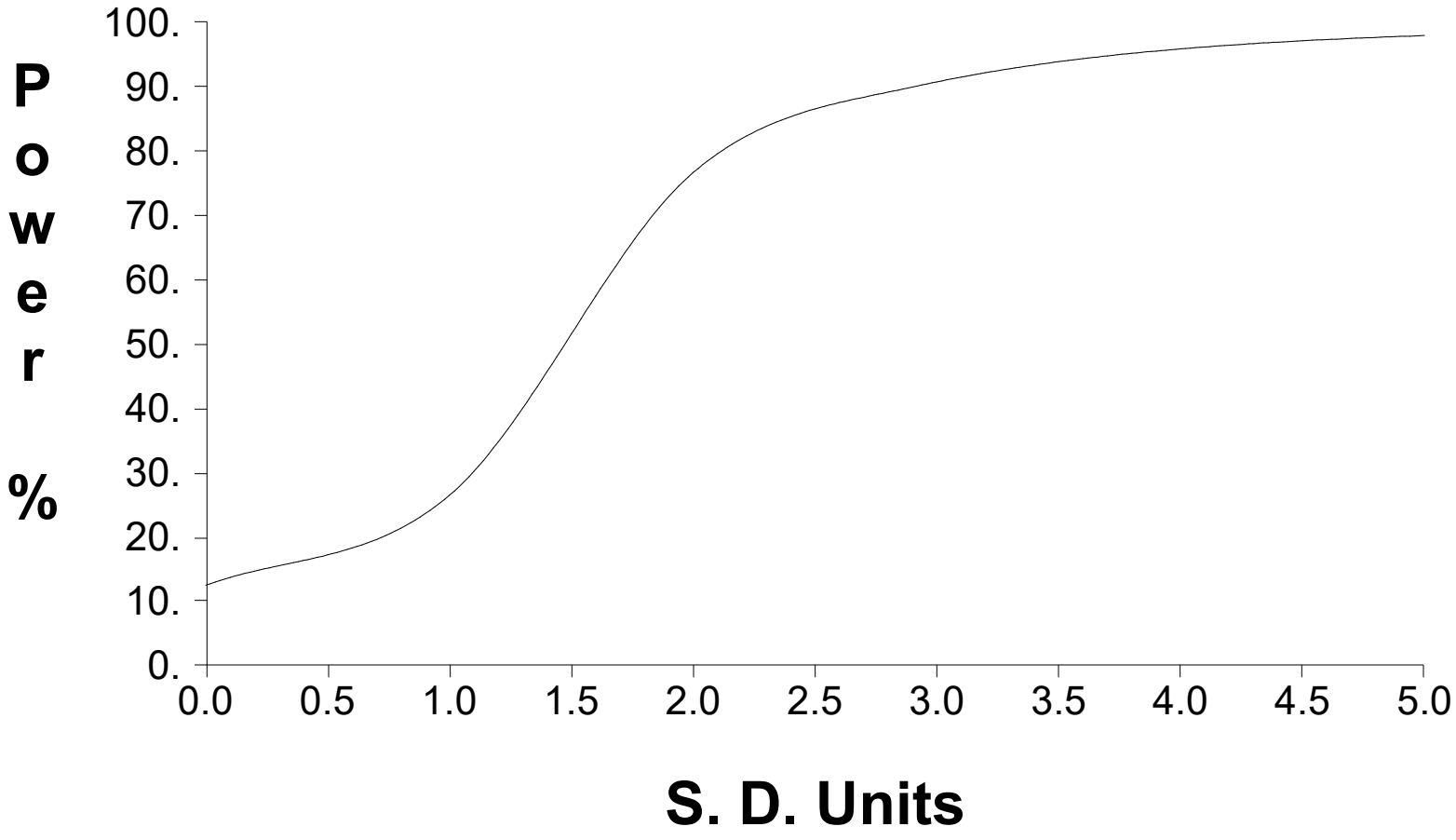


Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Boron, Total	ug/L	MW-13D	08/08/2019	ND	100.0000	
Boron, Total	ug/L	MW-13D	09/25/2019	ND	100.0000	
Boron, Total	ug/L	MW-13D	05/07/2020	ND	100.0000	
Boron, Total	ug/L	MW-13D	11/12/2020	ND	100.0000	
Boron, Total	ug/L	MW-13D	02/25/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	03/29/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	05/20/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	06/22/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	07/27/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	11/16/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	05/19/2022	ND	100.0000	
Boron, Total	ug/L	MW-13D	11/18/2022	ND	100.0000	
Boron, Total	ug/L	MW-13D	04/17/2023	ND	100.0000	
Boron, Total	ug/L	MW-13D	10/11/2023	ND	100.0000	
Boron, Total	ug/L	MW-13D	04/10/2024	ND	100.0000	
Boron, Total	ug/L	MW-13D	10/04/2024	ND	100.0000	
Calcium, Total	ug/L	MW-13D	08/08/2019		81500.0000	
Calcium, Total	ug/L	MW-13D	09/25/2019		83900.0000	
Calcium, Total	ug/L	MW-13D	05/07/2020		96500.0000	
Calcium, Total	ug/L	MW-13D	11/12/2020		97900.0000	
Calcium, Total	ug/L	MW-13D	02/25/2021		94900.0000	
Calcium, Total	ug/L	MW-13D	03/29/2021		98200.0000	
Calcium, Total	ug/L	MW-13D	05/20/2021		94700.0000	
Calcium, Total	ug/L	MW-13D	06/22/2021		91500.0000	
Calcium, Total	ug/L	MW-13D	07/27/2021		93400.0000	
Calcium, Total	ug/L	MW-13D	11/16/2021		92800.0000	
Calcium, Total	ug/L	MW-13D	05/19/2022		94600.0000	
Calcium, Total	ug/L	MW-13D	11/18/2022		80900.0000	
Calcium, Total	ug/L	MW-13D	04/17/2023		81900.0000	
Calcium, Total	ug/L	MW-13D	10/11/2023		71000.0000	
Calcium, Total	ug/L	MW-13D	04/10/2024		74600.0000	
Calcium, Total	ug/L	MW-13D	10/04/2024		63900.0000	
Chloride	mg/L	MW-13D	08/08/2019		8.5000	
Chloride	mg/L	MW-13D	09/25/2019		11.1000	
Chloride	mg/L	MW-13D	05/07/2020		43.4000	
Chloride	mg/L	MW-13D	11/12/2020		52.2000	
Chloride	mg/L	MW-13D	02/25/2021		54.4000	
Chloride	mg/L	MW-13D	03/29/2021		55.2000	
Chloride	mg/L	MW-13D	05/20/2021		49.0000	
Chloride	mg/L	MW-13D	06/22/2021		44.7000	
Chloride	mg/L	MW-13D	07/27/2021		46.8000	
Chloride	mg/L	MW-13D	11/16/2021		43.2000	
Chloride	mg/L	MW-13D	05/19/2022		53.5000	
Chloride	mg/L	MW-13D	11/18/2022		50.9000	
Chloride	mg/L	MW-13D	04/17/2023		47.1000	
Chloride	mg/L	MW-13D	10/11/2023		25.4000	
Chloride	mg/L	MW-13D	04/10/2024		30.9000	
Chloride	mg/L	MW-13D	10/04/2024		21.2000	
Fluoride	mg/L	MW-13D	08/08/2019	ND	0.1000	
Fluoride	mg/L	MW-13D	09/25/2019		0.1100	
Fluoride	mg/L	MW-13D	05/07/2020		0.1100	
Fluoride	mg/L	MW-13D	11/12/2020	ND	0.1000	
Fluoride	mg/L	MW-13D	02/25/2021	ND	0.1000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Fluoride	mg/L	MW-13D	03/29/2021	ND	0.1000	
Fluoride	mg/L	MW-13D	05/20/2021	ND	0.1000	
Fluoride	mg/L	MW-13D	06/22/2021		0.1200	
Fluoride	mg/L	MW-13D	07/27/2021		0.1200	
Fluoride	mg/L	MW-13D	11/16/2021	ND	0.1000	
Fluoride	mg/L	MW-13D	05/19/2022		0.1000	
Fluoride	mg/L	MW-13D	11/18/2022		0.1100	
Fluoride	mg/L	MW-13D	04/17/2023	ND	0.1000	
Fluoride	mg/L	MW-13D	10/11/2023	ND	0.1000	
Fluoride	mg/L	MW-13D	04/10/2024	ND	0.1000	
Fluoride	mg/L	MW-13D	10/04/2024	ND	0.1000	
pH at 25 Degrees C	Std. Units	MW-13D	08/08/2019		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	09/25/2019		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	05/07/2020		7.8000	
pH at 25 Degrees C	Std. Units	MW-13D	11/12/2020		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	02/25/2021		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	03/29/2021		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	05/20/2021		7.6000	
pH at 25 Degrees C	Std. Units	MW-13D	06/22/2021		7.7000	
pH at 25 Degrees C	Std. Units	MW-13D	07/27/2021		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	11/16/2021		7.2000	
pH at 25 Degrees C	Std. Units	MW-13D	05/19/2022		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	11/18/2022		7.7000	
pH at 25 Degrees C	Std. Units	MW-13D	04/17/2023		7.8000	
pH at 25 Degrees C	Std. Units	MW-13D	10/11/2023		7.5000	
pH at 25 Degrees C	Std. Units	MW-13D	04/10/2024		7.4000	
pH at 25 Degrees C	Std. Units	MW-13D	10/04/2024		7.9000	
Sulfate	mg/L	MW-13D	08/08/2019		75.3000	
Sulfate	mg/L	MW-13D	09/25/2019		57.8000	
Sulfate	mg/L	MW-13D	05/07/2020		44.0000	
Sulfate	mg/L	MW-13D	11/12/2020		40.9000	
Sulfate	mg/L	MW-13D	02/25/2021		40.3000	
Sulfate	mg/L	MW-13D	03/29/2021		40.6000	
Sulfate	mg/L	MW-13D	05/20/2021		45.0000	
Sulfate	mg/L	MW-13D	06/22/2021		40.0000	
Sulfate	mg/L	MW-13D	07/27/2021		35.9000	
Sulfate	mg/L	MW-13D	11/16/2021		45.2000	
Sulfate	mg/L	MW-13D	05/19/2022		35.7000	
Sulfate	mg/L	MW-13D	11/18/2022		34.4000	
Sulfate	mg/L	MW-13D	04/17/2023		27.7000	
Sulfate	mg/L	MW-13D	10/11/2023		25.6000	
Sulfate	mg/L	MW-13D	04/10/2024		28.2000	
Sulfate	mg/L	MW-13D	10/04/2024		29.6000	
Total Dissolved Solids	mg/L	MW-13D	08/08/2019		353.0000	
Total Dissolved Solids	mg/L	MW-13D	09/25/2019		390.0000	
Total Dissolved Solids	mg/L	MW-13D	05/07/2020		391.0000	
Total Dissolved Solids	mg/L	MW-13D	11/12/2020		391.0000	
Total Dissolved Solids	mg/L	MW-13D	02/25/2021		399.0000	
Total Dissolved Solids	mg/L	MW-13D	03/29/2021		403.0000	
Total Dissolved Solids	mg/L	MW-13D	05/20/2021		397.0000	
Total Dissolved Solids	mg/L	MW-13D	06/22/2021		407.0000	
Total Dissolved Solids	mg/L	MW-13D	07/27/2021		447.0000	
Total Dissolved Solids	mg/L	MW-13D	11/16/2021		388.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Total Dissolved Solids	mg/L	MW-13D	05/19/2022		418.0000	
Total Dissolved Solids	mg/L	MW-13D	11/18/2022		390.0000	
Total Dissolved Solids	mg/L	MW-13D	04/17/2023		374.0000	
Total Dissolved Solids	mg/L	MW-13D	10/11/2023		331.0000	
Total Dissolved Solids	mg/L	MW-13D	04/10/2024		318.0000	
Total Dissolved Solids	mg/L	MW-13D	10/04/2024		300.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date	Result		Pred. Limit
Boron, Total	ug/L	MW-11D	10/15/2024	592.0000	***	100.0000
Boron, Total	ug/L	MW-1D	10/15/2024	281.0000	***	100.0000
Boron, Total	ug/L	MW-2D	10/07/2024	136.0000	***	100.0000
Boron, Total	ug/L	MW-6D	10/02/2024	1420.0000	***	100.0000
Calcium, Total	ug/L	MW-11D	10/15/2024	76800.0000		115169.5684
Calcium, Total	ug/L	MW-1D	10/15/2024	75000.0000		115169.5684
Calcium, Total	ug/L	MW-2D	10/07/2024	75400.0000		115169.5684
Calcium, Total	ug/L	MW-6D	10/02/2024	85600.0000		115169.5684
Chloride	mg/L	MW-11D	10/15/2024	95.0000	***	55.2000
Chloride	mg/L	MW-1D	10/15/2024	99.3000	***	55.2000
Chloride	mg/L	MW-2D	10/07/2024	77.9000	***	55.2000
Chloride	mg/L	MW-6D	10/02/2024	93.5000	***	55.2000
Fluoride	mg/L	MW-11D	10/15/2024	0.3100	***	0.1200
Fluoride	mg/L	MW-1D	10/15/2024	0.3800	***	0.1200
Fluoride	mg/L	MW-2D	10/07/2024	0.2900	***	0.1200
Fluoride	mg/L	MW-6D	10/02/2024	0.2000	***	0.1200
pH at 25 Degrees C	Std. Units	MW-11D	10/15/2024	7.7000	**	6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-1D	10/15/2024	7.7000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-2D	10/07/2024	7.6000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-6D	10/02/2024	7.6000		6.92 - 8.13
Sulfate	mg/L	MW-11D	10/15/2024	78.0000	***	73.5967
Sulfate	mg/L	MW-1D	10/15/2024	77.7000	***	73.5967
Sulfate	mg/L	MW-2D	10/07/2024	64.3000		73.5967
Sulfate	mg/L	MW-6D	10/02/2024	85.6000	***	73.5967
Total Dissolved Solids	mg/L	MW-11D	10/15/2024	461.0000		483.1033
Total Dissolved Solids	mg/L	MW-1D	10/15/2024	497.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-2D	10/07/2024	374.0000		483.1033
Total Dissolved Solids	mg/L	MW-6D	10/02/2024	467.0000		483.1033

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Boron, Total	0	16	0.000	92	92	1.000
Calcium, Total	16	16	1.000	92	92	1.000
Chloride	16	16	1.000	92	92	1.000
Fluoride	6	16	0.375	92	92	1.000
pH at 25 Degrees C	16	16	1.000	92	92	1.000
Sulfate	16	16	1.000	92	92	1.000
Total Dissolved Solids	16	16	1.000	92	92	1.000

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub
Boron, Total	0	16	0.000	4.567	4.567				
Calcium, Total	16	16	1.000	1.742	2.036				
Chloride	16	16	1.000	2.365	3.497				
Fluoride	6	16	0.375	4.500	4.476				
pH at 25 Degrees C	16	16	1.000	2.033	2.006				
Sulfate	16	16	1.000	2.095	0.294				
Total Dissolved Solids	16	16	1.000	1.184	1.622				

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Crit Value	Dist Form	Model Type
2.326	non-norm	nonpar
2.326	normal	normal
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	normal	normal
2.326	normal	normal
2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit
Boron, Total	ug/L	0	16					100.0000
Calcium, Total	ug/L	16	16	87012.5000	10504.7846	0.0100	2.6804	115169.5684
Chloride	mg/L	16	16					55.2000
Fluoride	mg/L	6	16					0.1200
pH at 25 Degrees C	Std. Units	16	16	7.5250	0.1983	0.0100	3.0334	6.92 - 8.13
Sulfate	mg/L	16	16	40.3875	12.3896	0.0100	2.6804	73.5967
Total Dissolved Solids	mg/L	16	16	381.0625	38.0692	0.0100	2.6804	483.1033

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 5

Summary Statistics and Prediction Limits

Type		Conf
nonpar	***	0.98
normal		
nonpar		0.98
nonpar		0.98
normal		
normal		
normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Boron, Total	ug/L	MW-11D	04/20/2016	3440.0000	*	100.0000
Boron, Total	ug/L	MW-11D	06/02/2016	3890.0000	*	100.0000
Boron, Total	ug/L	MW-11D	08/12/2016	4230.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/30/2016	4570.0000	*	100.0000
Boron, Total	ug/L	MW-11D	12/01/2016	4530.0000	*	100.0000
Boron, Total	ug/L	MW-11D	01/31/2017	4650.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/25/2017	5140.0000	*	100.0000
Boron, Total	ug/L	MW-11D	08/10/2017	5420.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/28/2017	4890.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/22/2018	5050.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/12/2018	4940.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/08/2019	5390.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/14/2019	5140.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/07/2020	5070.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/12/2020	3330.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/17/2021	2480.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/17/2021	2450.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/12/2022	2270.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/29/2022	1600.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/03/2023	1380.0000	*	100.0000
Boron, Total	ug/L	MW-11D	10/09/2023	917.0000	*	100.0000
Boron, Total	ug/L	MW-11D	04/09/2024	620.0000	*	100.0000
Boron, Total	ug/L	MW-11D	10/15/2024	592.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/19/2016	2560.0000	*	100.0000
Boron, Total	ug/L	MW-1D	06/02/2016	2910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	08/10/2016	2840.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/30/2016	2910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	12/02/2016	2820.0000	*	100.0000
Boron, Total	ug/L	MW-1D	01/31/2017	3120.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/26/2017	2850.0000	*	100.0000
Boron, Total	ug/L	MW-1D	08/11/2017	2950.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/28/2017	2590.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/23/2018	2600.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/11/2018	2670.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/08/2019	2680.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/14/2019	1650.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/05/2020	1410.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/11/2020	1110.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/25/2021	983.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/09/2021	910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/10/2022	867.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/22/2022	720.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/19/2023	538.0000	*	100.0000
Boron, Total	ug/L	MW-1D	10/11/2023	417.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/09/2024	317.0000	*	100.0000
Boron, Total	ug/L	MW-1D	10/15/2024	281.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/19/2016	1020.0000	*	100.0000
Boron, Total	ug/L	MW-2D	06/02/2016	1300.0000	*	100.0000
Boron, Total	ug/L	MW-2D	08/11/2016	1740.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/30/2016	2160.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Boron, Total	ug/L	MW-2D	12/02/2016	2560.0000	*	100.0000
Boron, Total	ug/L	MW-2D	01/31/2017	2800.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/26/2017	2330.0000	*	100.0000
Boron, Total	ug/L	MW-2D	08/11/2017	1940.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/27/2017	1620.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/22/2018	1840.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/11/2018	1110.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/09/2019	940.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/13/2019	562.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/05/2020	392.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/11/2020	234.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/11/2021	245.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/10/2021	232.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/11/2022	194.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/15/2022	191.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/18/2023	160.0000	*	100.0000
Boron, Total	ug/L	MW-2D	10/10/2023	138.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/05/2024	145.0000	*	100.0000
Boron, Total	ug/L	MW-2D	10/07/2024	136.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/20/2016	5990.0000	*	100.0000
Boron, Total	ug/L	MW-6D	06/01/2016	5890.0000	*	100.0000
Boron, Total	ug/L	MW-6D	08/11/2016	5540.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/29/2016	5630.0000	*	100.0000
Boron, Total	ug/L	MW-6D	12/01/2016	5390.0000	*	100.0000
Boron, Total	ug/L	MW-6D	01/30/2017	5210.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/25/2017	5300.0000	*	100.0000
Boron, Total	ug/L	MW-6D	08/10/2017	5410.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/27/2017	5170.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/22/2018	4820.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/10/2018	4230.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/08/2019	4330.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/14/2019	4480.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/08/2020	4740.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/10/2020	4350.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/18/2021	3590.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/09/2021	3220.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/11/2022	3060.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/15/2022	2730.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/01/2023	2090.0000	*	100.0000
Boron, Total	ug/L	MW-6D	10/10/2023	1840.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/04/2024	1520.0000	*	100.0000
Boron, Total	ug/L	MW-6D	10/02/2024	1420.0000	*	100.0000
Chloride	mg/L	MW-11D	04/20/2016	147.0000	*	55.2000
Chloride	mg/L	MW-11D	06/02/2016	149.0000	*	55.2000
Chloride	mg/L	MW-11D	08/12/2016	150.0000	*	55.2000
Chloride	mg/L	MW-11D	09/30/2016	152.0000	*	55.2000
Chloride	mg/L	MW-11D	12/01/2016	157.0000	*	55.2000
Chloride	mg/L	MW-11D	01/31/2017	150.0000	*	55.2000
Chloride	mg/L	MW-11D	05/25/2017	152.0000	*	55.2000
Chloride	mg/L	MW-11D	08/10/2017	146.0000	*	55.2000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Chloride	mg/L	MW-11D	09/28/2017	134.0000	*	55.2000
Chloride	mg/L	MW-11D	05/22/2018	149.0000	*	55.2000
Chloride	mg/L	MW-11D	09/12/2018	153.0000	*	55.2000
Chloride	mg/L	MW-11D	05/08/2019	142.0000	*	55.2000
Chloride	mg/L	MW-11D	11/14/2019	133.0000	*	55.2000
Chloride	mg/L	MW-11D	05/07/2020	132.0000	*	55.2000
Chloride	mg/L	MW-11D	11/12/2020	102.0000	*	55.2000
Chloride	mg/L	MW-11D	05/17/2021	99.4000	*	55.2000
Chloride	mg/L	MW-11D	11/17/2021	96.9000	*	55.2000
Chloride	mg/L	MW-11D	05/12/2022	105.0000	*	55.2000
Chloride	mg/L	MW-11D	11/29/2022	98.8000	*	55.2000
Chloride	mg/L	MW-11D	05/03/2023	83.0000	*	55.2000
Chloride	mg/L	MW-11D	10/09/2023	90.8000	*	55.2000
Chloride	mg/L	MW-11D	04/09/2024	92.3000	*	55.2000
Chloride	mg/L	MW-11D	10/15/2024	95.0000	*	55.2000
Chloride	mg/L	MW-1D	04/19/2016	166.0000	*	55.2000
Chloride	mg/L	MW-1D	06/02/2016	159.0000	*	55.2000
Chloride	mg/L	MW-1D	08/10/2016	140.0000	*	55.2000
Chloride	mg/L	MW-1D	09/30/2016	131.0000	*	55.2000
Chloride	mg/L	MW-1D	12/02/2016	133.0000	*	55.2000
Chloride	mg/L	MW-1D	01/31/2017	141.0000	*	55.2000
Chloride	mg/L	MW-1D	05/26/2017	133.0000	*	55.2000
Chloride	mg/L	MW-1D	08/11/2017	135.0000	*	55.2000
Chloride	mg/L	MW-1D	09/28/2017	64.1000	*	55.2000
Chloride	mg/L	MW-1D	05/23/2018	167.0000	*	55.2000
Chloride	mg/L	MW-1D	09/11/2018	134.0000	*	55.2000
Chloride	mg/L	MW-1D	05/08/2019	116.0000	*	55.2000
Chloride	mg/L	MW-1D	11/14/2019	105.0000	*	55.2000
Chloride	mg/L	MW-1D	05/05/2020	96.6000	*	55.2000
Chloride	mg/L	MW-1D	11/11/2020	103.0000	*	55.2000
Chloride	mg/L	MW-1D	05/25/2021	94.1000	*	55.2000
Chloride	mg/L	MW-1D	11/09/2021	88.2000	*	55.2000
Chloride	mg/L	MW-1D	05/10/2022	88.8000	*	55.2000
Chloride	mg/L	MW-1D	11/22/2022	92.3000	*	55.2000
Chloride	mg/L	MW-1D	04/19/2023	102.0000	*	55.2000
Chloride	mg/L	MW-1D	10/11/2023	85.4000	*	55.2000
Chloride	mg/L	MW-1D	04/09/2024	106.0000	*	55.2000
Chloride	mg/L	MW-1D	10/15/2024	99.3000	*	55.2000
Chloride	mg/L	MW-2D	04/19/2016	146.0000	*	55.2000
Chloride	mg/L	MW-2D	06/02/2016	146.0000	*	55.2000
Chloride	mg/L	MW-2D	08/11/2016	142.0000	*	55.2000
Chloride	mg/L	MW-2D	09/30/2016	144.0000	*	55.2000
Chloride	mg/L	MW-2D	12/02/2016	138.0000	*	55.2000
Chloride	mg/L	MW-2D	01/31/2017	135.0000	*	55.2000
Chloride	mg/L	MW-2D	05/26/2017	144.0000	*	55.2000
Chloride	mg/L	MW-2D	08/11/2017	122.0000	*	55.2000
Chloride	mg/L	MW-2D	09/27/2017	121.0000	*	55.2000
Chloride	mg/L	MW-2D	05/22/2018	116.0000	*	55.2000
Chloride	mg/L	MW-2D	09/11/2018	98.5000	*	55.2000
Chloride	mg/L	MW-2D	05/09/2019	92.2000	*	55.2000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Chloride	mg/L	MW-2D	11/13/2019	98.0000	*	55.2000
Chloride	mg/L	MW-2D	05/05/2020	87.7000	*	55.2000
Chloride	mg/L	MW-2D	11/11/2020	84.4000	*	55.2000
Chloride	mg/L	MW-2D	05/11/2021	87.4000	*	55.2000
Chloride	mg/L	MW-2D	11/10/2021	75.6000	*	55.2000
Chloride	mg/L	MW-2D	05/11/2022	68.0000	*	55.2000
Chloride	mg/L	MW-2D	11/15/2022	105.0000	*	55.2000
Chloride	mg/L	MW-2D	04/18/2023	109.0000	*	55.2000
Chloride	mg/L	MW-2D	10/10/2023	74.5000	*	55.2000
Chloride	mg/L	MW-2D	04/05/2024	71.7000	*	55.2000
Chloride	mg/L	MW-2D	10/07/2024	77.9000	*	55.2000
Chloride	mg/L	MW-6D	04/20/2016	243.0000	*	55.2000
Chloride	mg/L	MW-6D	06/01/2016	239.0000	*	55.2000
Chloride	mg/L	MW-6D	08/11/2016	262.0000	*	55.2000
Chloride	mg/L	MW-6D	09/29/2016	274.0000	*	55.2000
Chloride	mg/L	MW-6D	12/01/2016	267.0000	*	55.2000
Chloride	mg/L	MW-6D	01/30/2017	263.0000	*	55.2000
Chloride	mg/L	MW-6D	05/25/2017	222.0000	*	55.2000
Chloride	mg/L	MW-6D	08/10/2017	206.0000	*	55.2000
Chloride	mg/L	MW-6D	09/27/2017	188.0000	*	55.2000
Chloride	mg/L	MW-6D	05/22/2018	163.0000	*	55.2000
Chloride	mg/L	MW-6D	09/10/2018	155.0000	*	55.2000
Chloride	mg/L	MW-6D	05/08/2019	156.0000	*	55.2000
Chloride	mg/L	MW-6D	11/14/2019	141.0000	*	55.2000
Chloride	mg/L	MW-6D	05/08/2020	139.0000	*	55.2000
Chloride	mg/L	MW-6D	11/10/2020	110.0000	*	55.2000
Chloride	mg/L	MW-6D	05/18/2021	93.3000	*	55.2000
Chloride	mg/L	MW-6D	11/09/2021	902.0000	*	55.2000
Chloride	mg/L	MW-6D	05/11/2022	99.3000	*	55.2000
Chloride	mg/L	MW-6D	11/15/2022	101.0000	*	55.2000
Chloride	mg/L	MW-6D	05/01/2023	81.8000	*	55.2000
Chloride	mg/L	MW-6D	10/10/2023	81.7000	*	55.2000
Chloride	mg/L	MW-6D	04/04/2024	90.5000	*	55.2000
Chloride	mg/L	MW-6D	10/02/2024	93.5000	*	55.2000
Fluoride	mg/L	MW-11D	04/20/2016	0.2600	*	0.1200
Fluoride	mg/L	MW-11D	06/02/2016	0.2300	*	0.1200
Fluoride	mg/L	MW-11D	08/12/2016	0.2100	*	0.1200
Fluoride	mg/L	MW-11D	09/30/2016	0.2300	*	0.1200
Fluoride	mg/L	MW-11D	12/01/2016	0.2200	*	0.1200
Fluoride	mg/L	MW-11D	01/31/2017	0.2400	*	0.1200
Fluoride	mg/L	MW-11D	05/25/2017	0.2500	*	0.1200
Fluoride	mg/L	MW-11D	08/10/2017	0.2300	*	0.1200
Fluoride	mg/L	MW-11D	09/28/2017	0.1900	*	0.1200
Fluoride	mg/L	MW-11D	05/22/2018	0.2000	*	0.1200
Fluoride	mg/L	MW-11D	09/12/2018	0.1700	*	0.1200
Fluoride	mg/L	MW-11D	05/08/2019	0.2000	*	0.1200
Fluoride	mg/L	MW-11D	11/14/2019	0.2000	*	0.1200
Fluoride	mg/L	MW-11D	05/07/2020	0.2400	*	0.1200
Fluoride	mg/L	MW-11D	11/12/2020	0.2500	*	0.1200
Fluoride	mg/L	MW-11D	05/17/2021	0.2500	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Fluoride	mg/L	MW-11D	11/17/2021	0.2300	*	0.1200
Fluoride	mg/L	MW-11D	05/12/2022	0.3000	*	0.1200
Fluoride	mg/L	MW-11D	11/29/2022	0.2800	*	0.1200
Fluoride	mg/L	MW-11D	05/03/2023	0.2800	*	0.1200
Fluoride	mg/L	MW-11D	10/09/2023	0.2800	*	0.1200
Fluoride	mg/L	MW-11D	04/09/2024	0.3400	*	0.1200
Fluoride	mg/L	MW-11D	10/15/2024	0.3100	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2016	0.4400	*	0.1200
Fluoride	mg/L	MW-1D	06/02/2016	0.4400	*	0.1200
Fluoride	mg/L	MW-1D	08/10/2016	0.4200	*	0.1200
Fluoride	mg/L	MW-1D	09/30/2016	0.4600	*	0.1200
Fluoride	mg/L	MW-1D	12/02/2016	0.4600	*	0.1200
Fluoride	mg/L	MW-1D	01/31/2017	0.4100	*	0.1200
Fluoride	mg/L	MW-1D	05/26/2017	0.4200	*	0.1200
Fluoride	mg/L	MW-1D	08/11/2017	0.4200	*	0.1200
Fluoride	mg/L	MW-1D	09/28/2017	0.4200	*	0.1200
Fluoride	mg/L	MW-1D	05/23/2018	0.3600	*	0.1200
Fluoride	mg/L	MW-1D	09/11/2018	0.3200	*	0.1200
Fluoride	mg/L	MW-1D	05/08/2019	0.3500	*	0.1200
Fluoride	mg/L	MW-1D	11/14/2019	0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/05/2020	0.3700	*	0.1200
Fluoride	mg/L	MW-1D	11/11/2020	0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/25/2021	0.3100	*	0.1200
Fluoride	mg/L	MW-1D	11/09/2021	0.3000	*	0.1200
Fluoride	mg/L	MW-1D	05/10/2022	0.3200	*	0.1200
Fluoride	mg/L	MW-1D	11/22/2022	0.3800	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2023	0.3400	*	0.1200
Fluoride	mg/L	MW-1D	10/11/2023	0.3200	*	0.1200
Fluoride	mg/L	MW-1D	04/09/2024	0.4200	*	0.1200
Fluoride	mg/L	MW-1D	10/15/2024	0.3800	*	0.1200
Fluoride	mg/L	MW-2D	04/19/2016	0.4200	*	0.1200
Fluoride	mg/L	MW-2D	06/02/2016	0.4100	*	0.1200
Fluoride	mg/L	MW-2D	08/11/2016	0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/30/2016	0.3900	*	0.1200
Fluoride	mg/L	MW-2D	12/02/2016	0.4100	*	0.1200
Fluoride	mg/L	MW-2D	01/31/2017	0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/26/2017	0.3800	*	0.1200
Fluoride	mg/L	MW-2D	08/11/2017	0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/27/2017	0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/22/2018	0.3200	*	0.1200
Fluoride	mg/L	MW-2D	09/11/2018	0.2900	*	0.1200
Fluoride	mg/L	MW-2D	05/09/2019	0.3200	*	0.1200
Fluoride	mg/L	MW-2D	11/13/2019	0.3300	*	0.1200
Fluoride	mg/L	MW-2D	05/05/2020	0.3500	*	0.1200
Fluoride	mg/L	MW-2D	11/11/2020	0.3400	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2021	0.1900	*	0.1200
Fluoride	mg/L	MW-2D	11/10/2021	0.2700	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2022	0.2900	*	0.1200
Fluoride	mg/L	MW-2D	11/15/2022	0.2800	*	0.1200
Fluoride	mg/L	MW-2D	04/18/2023	0.3200	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Fluoride	mg/L	MW-2D	10/10/2023	0.3100	*	0.1200
Fluoride	mg/L	MW-2D	04/05/2024	0.3400	*	0.1200
Fluoride	mg/L	MW-2D	10/07/2024	0.2900	*	0.1200
Fluoride	mg/L	MW-6D	04/20/2016	0.2000	*	0.1200
Fluoride	mg/L	MW-6D	06/01/2016	0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/11/2016	0.1700	*	0.1200
Fluoride	mg/L	MW-6D	09/29/2016	0.1800	*	0.1200
Fluoride	mg/L	MW-6D	12/01/2016	0.2000	*	0.1200
Fluoride	mg/L	MW-6D	01/30/2017	0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/25/2017	0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/10/2017	0.1900	*	0.1200
Fluoride	mg/L	MW-6D	09/27/2017	0.1900	*	0.1200
Fluoride	mg/L	MW-6D	05/22/2018	0.1200		0.1200
Fluoride	mg/L	MW-6D	09/10/2018	0.1200		0.1200
Fluoride	mg/L	MW-6D	05/08/2019	0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/14/2019	0.1400	*	0.1200
Fluoride	mg/L	MW-6D	05/08/2020	0.1300	*	0.1200
Fluoride	mg/L	MW-6D	11/10/2020	0.1700	*	0.1200
Fluoride	mg/L	MW-6D	05/18/2021	0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/09/2021	0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/11/2022	0.2000	*	0.1200
Fluoride	mg/L	MW-6D	11/15/2022	0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/01/2023	0.2200	*	0.1200
Fluoride	mg/L	MW-6D	10/10/2023	0.1700	*	0.1200
Fluoride	mg/L	MW-6D	04/04/2024	0.1700	*	0.1200
Fluoride	mg/L	MW-6D	10/02/2024	0.2000	*	0.1200
pH at 25 Degrees C	Std. Units	MW-11D	04/20/2016	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	06/02/2016	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	08/12/2016	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	09/30/2016	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	12/01/2016	7.6000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	01/31/2017	7.6000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	05/25/2017	7.7000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	08/10/2017	7.6000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	09/28/2017	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	05/22/2018	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	09/12/2018	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	05/08/2019	7.6000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	11/14/2019	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	05/07/2020	7.8000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	11/12/2020	7.5000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	05/17/2021	7.8000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	11/17/2021	7.4000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	05/12/2022	7.6000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	11/29/2022	7.6000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	05/03/2023	7.7000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	10/09/2023	7.4000		6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	04/09/2024	6.8000	*	6.92 - 8.13
pH at 25 Degrees C	Std. Units	MW-11D	10/15/2024	7.7000		6.92 - 8.13
Sulfate	mg/L	MW-11D	04/20/2016	215.0000	*	73.5967

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Sulfate	mg/L	MW-11D	06/02/2016	207.0000	*	73.5967
Sulfate	mg/L	MW-11D	08/12/2016	239.0000	*	73.5967
Sulfate	mg/L	MW-11D	09/30/2016	292.0000	*	73.5967
Sulfate	mg/L	MW-11D	12/01/2016	266.0000	*	73.5967
Sulfate	mg/L	MW-11D	01/31/2017	258.0000	*	73.5967
Sulfate	mg/L	MW-11D	05/25/2017	246.0000	*	73.5967
Sulfate	mg/L	MW-11D	08/10/2017	258.0000	*	73.5967
Sulfate	mg/L	MW-11D	09/28/2017	197.0000	*	73.5967
Sulfate	mg/L	MW-11D	05/22/2018	238.0000	*	73.5967
Sulfate	mg/L	MW-11D	09/12/2018	234.0000	*	73.5967
Sulfate	mg/L	MW-11D	05/08/2019	235.0000	*	73.5967
Sulfate	mg/L	MW-11D	11/14/2019	245.0000	*	73.5967
Sulfate	mg/L	MW-11D	05/07/2020	207.0000	*	73.5967
Sulfate	mg/L	MW-11D	11/12/2020	129.0000	*	73.5967
Sulfate	mg/L	MW-11D	05/17/2021	122.0000	*	73.5967
Sulfate	mg/L	MW-11D	11/17/2021	106.0000	*	73.5967
Sulfate	mg/L	MW-11D	05/12/2022	117.0000	*	73.5967
Sulfate	mg/L	MW-11D	11/29/2022	98.7000	*	73.5967
Sulfate	mg/L	MW-11D	05/03/2023	75.4000	*	73.5967
Sulfate	mg/L	MW-11D	10/09/2023	75.5000	*	73.5967
Sulfate	mg/L	MW-11D	04/09/2024	86.1000	*	73.5967
Sulfate	mg/L	MW-11D	10/15/2024	78.0000	*	73.5967
Sulfate	mg/L	MW-1D	04/19/2016	195.0000	*	73.5967
Sulfate	mg/L	MW-1D	06/02/2016	188.0000	*	73.5967
Sulfate	mg/L	MW-1D	08/10/2016	175.0000	*	73.5967
Sulfate	mg/L	MW-1D	09/30/2016	171.0000	*	73.5967
Sulfate	mg/L	MW-1D	12/02/2016	170.0000	*	73.5967
Sulfate	mg/L	MW-1D	01/31/2017	176.0000	*	73.5967
Sulfate	mg/L	MW-1D	05/26/2017	166.0000	*	73.5967
Sulfate	mg/L	MW-1D	08/11/2017	184.0000	*	73.5967
Sulfate	mg/L	MW-1D	09/28/2017	184.0000	*	73.5967
Sulfate	mg/L	MW-1D	05/23/2018	201.0000	*	73.5967
Sulfate	mg/L	MW-1D	09/11/2018	171.0000	*	73.5967
Sulfate	mg/L	MW-1D	05/08/2019	144.0000	*	73.5967
Sulfate	mg/L	MW-1D	11/14/2019	127.0000	*	73.5967
Sulfate	mg/L	MW-1D	05/05/2020	101.0000	*	73.5967
Sulfate	mg/L	MW-1D	11/11/2020	93.6000	*	73.5967
Sulfate	mg/L	MW-1D	05/25/2021	83.4000	*	73.5967
Sulfate	mg/L	MW-1D	11/09/2021	102.0000	*	73.5967
Sulfate	mg/L	MW-1D	05/10/2022	88.0000	*	73.5967
Sulfate	mg/L	MW-1D	11/22/2022	79.5000	*	73.5967
Sulfate	mg/L	MW-1D	04/19/2023	87.0000	*	73.5967
Sulfate	mg/L	MW-1D	10/11/2023	70.8000		73.5967
Sulfate	mg/L	MW-1D	04/09/2024	85.3000	*	73.5967
Sulfate	mg/L	MW-1D	10/15/2024	77.7000	*	73.5967
Sulfate	mg/L	MW-6D	04/20/2016	334.0000	*	73.5967
Sulfate	mg/L	MW-6D	06/01/2016	238.0000	*	73.5967
Sulfate	mg/L	MW-6D	08/11/2016	232.0000	*	73.5967
Sulfate	mg/L	MW-6D	09/29/2016	292.0000	*	73.5967
Sulfate	mg/L	MW-6D	12/01/2016	260.0000	*	73.5967

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Sulfate	mg/L	MW-6D	01/30/2017	285.0000	*	73.5967
Sulfate	mg/L	MW-6D	05/25/2017	276.0000	*	73.5967
Sulfate	mg/L	MW-6D	08/10/2017	279.0000	*	73.5967
Sulfate	mg/L	MW-6D	09/27/2017	215.0000	*	73.5967
Sulfate	mg/L	MW-6D	05/22/2018	208.0000	*	73.5967
Sulfate	mg/L	MW-6D	09/10/2018	216.0000	*	73.5967
Sulfate	mg/L	MW-6D	05/08/2019	222.0000	*	73.5967
Sulfate	mg/L	MW-6D	11/14/2019	229.0000	*	73.5967
Sulfate	mg/L	MW-6D	05/08/2020	212.0000	*	73.5967
Sulfate	mg/L	MW-6D	11/10/2020	130.0000	*	73.5967
Sulfate	mg/L	MW-6D	05/18/2021	108.0000	*	73.5967
Sulfate	mg/L	MW-6D	11/09/2021	924.0000	*	73.5967
Sulfate	mg/L	MW-6D	05/11/2022	95.8000	*	73.5967
Sulfate	mg/L	MW-6D	11/15/2022	90.8000	*	73.5967
Sulfate	mg/L	MW-6D	05/01/2023	81.0000	*	73.5967
Sulfate	mg/L	MW-6D	10/10/2023	76.1000	*	73.5967
Sulfate	mg/L	MW-6D	04/04/2024	82.5000	*	73.5967
Sulfate	mg/L	MW-6D	10/02/2024	85.6000	*	73.5967
Total Dissolved Solids	mg/L	MW-1D	04/19/2016	408.0000		483.1033
Total Dissolved Solids	mg/L	MW-1D	06/02/2016	654.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	08/10/2016	612.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	09/30/2016	575.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	12/02/2016	579.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	01/31/2017	573.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	05/26/2017	604.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	08/11/2017	629.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	09/28/2017	668.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	05/23/2018	769.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	09/11/2018	638.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	05/08/2019	596.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	11/14/2019	632.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	05/05/2020	517.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	11/11/2020	499.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	05/25/2021	500.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	11/09/2021	485.0000	*	483.1033
Total Dissolved Solids	mg/L	MW-1D	05/10/2022	477.0000		483.1033
Total Dissolved Solids	mg/L	MW-1D	11/22/2022	469.0000		483.1033
Total Dissolved Solids	mg/L	MW-1D	04/19/2023	480.0000		483.1033
Total Dissolved Solids	mg/L	MW-1D	10/11/2023	463.0000		483.1033
Total Dissolved Solids	mg/L	MW-1D	04/09/2024	463.0000		483.1033
Total Dissolved Solids	mg/L	MW-1D	10/15/2024	497.0000	*	483.1033

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13D	05/07/2020	ND	6.0000	1.0000	**
Antimony, Total	ug/L	MW-13D	11/12/2020	ND	1.0000		
Antimony, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	11/16/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13D	11/18/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	05/07/2020	ND	10.0000	1.0000	**
Arsenic, Total	ug/L	MW-13D	11/12/2020		1.3000		
Arsenic, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	11/16/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	11/18/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Barium, Total	ug/L	MW-13D	08/08/2019		53.2000		
Barium, Total	ug/L	MW-13D	09/25/2019		47.4000		
Barium, Total	ug/L	MW-13D	05/07/2020		53.1000		
Barium, Total	ug/L	MW-13D	11/12/2020		57.9000		
Barium, Total	ug/L	MW-13D	02/25/2021		57.0000		
Barium, Total	ug/L	MW-13D	03/29/2021		60.9000		
Barium, Total	ug/L	MW-13D	05/20/2021		60.3000		
Barium, Total	ug/L	MW-13D	06/22/2021		59.3000		
Barium, Total	ug/L	MW-13D	07/27/2021		64.5000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-13D	11/16/2021		64.6000		
Barium, Total	ug/L	MW-13D	05/19/2022		62.4000		
Barium, Total	ug/L	MW-13D	11/18/2022		64.5000		
Barium, Total	ug/L	MW-13D	04/17/2023		59.4000		
Barium, Total	ug/L	MW-13D	10/11/2023		57.4000		
Barium, Total	ug/L	MW-13D	04/10/2024		55.1000		
Barium, Total	ug/L	MW-13D	10/04/2024		48.7000		
Beryllium, Total	ug/L	MW-13D	08/08/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	09/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	05/07/2020	ND	4.0000	0.2000	**
Beryllium, Total	ug/L	MW-13D	11/12/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	02/25/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	03/29/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	05/20/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	06/22/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	07/27/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	05/19/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	04/17/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	04/10/2024	ND	0.2000		
Cadmium, Total	ug/L	MW-13D	08/08/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	09/25/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	05/07/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	11/12/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	02/25/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	03/29/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	05/20/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	06/22/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	07/27/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	05/19/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	04/17/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	04/10/2024	ND	2.0000		
Chromium, Total	ug/L	MW-13D	08/08/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13D	09/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13D	11/12/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13D	02/25/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	03/29/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	05/20/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	06/22/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	07/27/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	05/19/2022	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, Total	ug/L	MW-13D	04/17/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13D	04/10/2024	ND	10.0000		
Cobalt, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	05/07/2020	ND	10.0000	1.0000	**
Cobalt, Total	ug/L	MW-13D	11/12/2020		1.2000		
Cobalt, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	11/16/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Fluoride	mg/L	MW-13D	08/08/2019	ND	0.1000		
Fluoride	mg/L	MW-13D	09/25/2019		0.1100		
Fluoride	mg/L	MW-13D	05/07/2020		0.1100		
Fluoride	mg/L	MW-13D	11/12/2020	ND	0.1000		
Fluoride	mg/L	MW-13D	02/25/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	03/29/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	05/20/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	06/22/2021		0.1200		
Fluoride	mg/L	MW-13D	07/27/2021		0.1200		
Fluoride	mg/L	MW-13D	11/16/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	05/19/2022		0.1000		
Fluoride	mg/L	MW-13D	11/18/2022		0.1100		
Fluoride	mg/L	MW-13D	04/17/2023	ND	0.1000		
Fluoride	mg/L	MW-13D	10/11/2023	ND	0.1000		
Fluoride	mg/L	MW-13D	04/10/2024	ND	0.1000		
Fluoride	mg/L	MW-13D	10/04/2024	ND	0.1000		
Lead, Total	ug/L	MW-13D	08/08/2019	ND	10.0000		
Lead, Total	ug/L	MW-13D	09/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-13D	11/12/2020	ND	10.0000		
Lead, Total	ug/L	MW-13D	02/25/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	03/29/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	05/20/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	06/22/2021	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-13D	07/27/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	05/19/2022	ND	10.0000		
Lead, Total	ug/L	MW-13D	04/17/2023	ND	10.0000		
Lead, Total	ug/L	MW-13D	04/10/2024	ND	10.0000		
Lead, Total	ug/L	MW-13D	10/04/2024	ND	10.0000		
Lithium, Total	ug/L	MW-13D	08/08/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13D	09/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13D	05/07/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13D	11/12/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13D	02/25/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	03/29/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	05/20/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	06/22/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	07/27/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	11/16/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	05/19/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13D	11/18/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13D	04/17/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13D	10/11/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13D	04/10/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13D	10/04/2024	ND	20.0000		
Mercury	ug/L	MW-13D	08/08/2019	ND	2.0000		
Mercury	ug/L	MW-13D	09/25/2019	ND	2.0000		
Mercury	ug/L	MW-13D	11/12/2020	ND	2.0000		
Mercury	ug/L	MW-13D	02/25/2021	ND	2.0000		
Mercury	ug/L	MW-13D	03/29/2021	ND	2.0000		
Mercury	ug/L	MW-13D	05/20/2021	ND	2.0000		
Mercury	ug/L	MW-13D	06/22/2021	ND	2.0000		
Mercury	ug/L	MW-13D	07/27/2021	ND	2.0000		
Mercury	ug/L	MW-13D	05/19/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13D	04/17/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13D	04/10/2024	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-13D	08/08/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	09/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	11/12/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	02/25/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	03/29/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	05/20/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	06/22/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	07/27/2021	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum, Total	ug/L	MW-13D	11/16/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	05/19/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	11/18/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	04/17/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	10/11/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	04/10/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	10/04/2024	ND	10.0000		
Selenium, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		*
Selenium, Total	ug/L	MW-13D	11/12/2020		1.2000		
Selenium, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13D	05/20/2021		1.2000		
Selenium, Total	ug/L	MW-13D	06/22/2021		1.2000		
Selenium, Total	ug/L	MW-13D	07/27/2021		1.3000		
Selenium, Total	ug/L	MW-13D	11/16/2021		1.3000		
Selenium, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13D	11/18/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13D	04/17/2023		1.2000		
Selenium, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13D	04/10/2024		1.2000		
Selenium, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Thallium, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13D	05/07/2020	ND	10.0000	1.0000	**
Thallium, Total	ug/L	MW-13D	11/12/2020	ND	1.0000		
Thallium, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Thallium, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Thallium, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Total Radium	pCi/L	MW-13D	08/08/2019	ND	1.5900	1.6600	**
Total Radium	pCi/L	MW-13D	09/25/2019		0.9060		
Total Radium	pCi/L	MW-13D	11/12/2020		1.1000		
Total Radium	pCi/L	MW-13D	02/25/2021		0.5860		
Total Radium	pCi/L	MW-13D	03/29/2021	ND	1.6600		
Total Radium	pCi/L	MW-13D	05/20/2021	ND	2.1400	1.6600	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Total Radium	pCi/L	MW-13D	06/22/2021	ND	1.5900	1.6600	**
Total Radium	pCi/L	MW-13D	07/27/2021		0.7950		
Total Radium	pCi/L	MW-13D	11/16/2021		0.5500		
Total Radium	pCi/L	MW-13D	05/19/2022		0.9330		
Total Radium	pCi/L	MW-13D	11/18/2022		0.6980		
Total Radium	pCi/L	MW-13D	04/17/2023		1.9500		
Total Radium	pCi/L	MW-13D	10/11/2023		1.4100		
Total Radium	pCi/L	MW-13D	04/10/2024	ND	2.7800	1.6600	**
Total Radium	pCi/L	MW-13D	10/04/2024	ND	1.9800	1.6600	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-11D	10/15/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1D	10/15/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2D	10/07/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6D	10/02/2024	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-11D	10/15/2024		4.4000	***	1.3000
Arsenic, Total	ug/L	MW-1D	10/15/2024		2.1000	***	1.3000
Arsenic, Total	ug/L	MW-2D	10/07/2024		4.2000	***	1.3000
Arsenic, Total	ug/L	MW-6D	10/02/2024	ND	1.0000	**	1.3000
Barium, Total	ug/L	MW-11D	10/15/2024		60.3000		72.0416
Barium, Total	ug/L	MW-1D	10/15/2024		60.1000		72.0416
Barium, Total	ug/L	MW-2D	10/07/2024		70.0000		72.0416
Barium, Total	ug/L	MW-6D	10/02/2024		60.1000		72.0416
Beryllium, Total	ug/L	MW-11D	04/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1D	04/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2D	04/05/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6D	04/04/2024	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-11D	04/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1D	04/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2D	04/05/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6D	04/04/2024	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-11D	04/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1D	04/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2D	04/05/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6D	04/04/2024	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-11D	10/15/2024	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-1D	10/15/2024	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-2D	10/07/2024	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-6D	10/02/2024	ND	1.0000		1.2000
Fluoride	mg/L	MW-11D	10/15/2024		0.3100	***	0.1200
Fluoride	mg/L	MW-1D	10/15/2024		0.3800	***	0.1200
Fluoride	mg/L	MW-2D	10/07/2024		0.2900	***	0.1200
Fluoride	mg/L	MW-6D	10/02/2024		0.2000	***	0.1200
Lead, Total	ug/L	MW-11D	10/15/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1D	10/15/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2D	10/07/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6D	10/02/2024	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-11D	10/15/2024		87.4000	***	20.0000
Lithium, Total	ug/L	MW-1D	10/15/2024		88.7000	***	20.0000
Lithium, Total	ug/L	MW-2D	10/07/2024		29.6000	***	20.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-6D	10/02/2024		70.0000	***	20.0000
Mercury	ug/L	MW-11D	04/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-1D	04/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-2D	04/05/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-6D	04/04/2024	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-11D	10/15/2024		121.0000	***	10.0000
Molybdenum, Total	ug/L	MW-1D	10/15/2024		85.3000	***	10.0000
Molybdenum, Total	ug/L	MW-2D	10/07/2024		34.3000	***	10.0000
Molybdenum, Total	ug/L	MW-6D	10/02/2024		213.0000	***	10.0000
Selenium, Total	ug/L	MW-11D	10/15/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-1D	10/15/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-2D	10/07/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6D	10/02/2024	ND	1.0000		1.3000
Thallium, Total	ug/L	MW-11D	04/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1D	04/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2D	04/05/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6D	04/04/2024	ND	1.0000		1.0000
Total Radium	pCi/L	MW-11D	10/15/2024		1.6900		2.2492
Total Radium	pCi/L	MW-1D	10/15/2024		1.9300		2.2492
Total Radium	pCi/L	MW-2D	10/07/2024		1.1800		2.2492
Total Radium	pCi/L	MW-6D	10/02/2024	ND	1.6000		2.2492

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Antimony, Total	0	16	0.000	1	88	0.011
Arsenic, Total	1	16	0.063	43	88	0.489
Barium, Total	16	16	1.000	88	88	1.000
Beryllium, Total	0	12	0.000	0	60	0.000
Cadmium, Total	0	12	0.000	0	60	0.000
Chromium, Total	0	12	0.000	1	60	0.017
Cobalt, Total	1	15	0.067	2	84	0.024
Fluoride	6	16	0.375	92	92	1.000
Lead, Total	0	13	0.000	2	64	0.031
Lithium, Total	0	16	0.000	88	88	1.000
Mercury	0	11	0.000	0	60	0.000
Molybdenum, Total	0	16	0.000	88	88	1.000
Selenium, Total	7	15	0.467	0	88	0.000
Thallium, Total	0	12	0.000	0	60	0.000
Total Radium	9	15	0.600	82	88	0.932

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Arsenic, Total	1	16	0.063	4.567	4.567					2.326	non-norm	nonpar
Barium, Total	16	16	1.000	0.423	0.791					2.326	normal	normal
Beryllium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Cadmium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Chromium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Cobalt, Total	1	15	0.067	4.373	4.373					2.326	non-norm	nonpar
Fluoride	6	16	0.375	4.500	4.476					2.326	non-norm	nonpar
Lead, Total	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Lithium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Mercury	0	11	0.000	3.485	3.485					2.326	non-norm	nonpar
Molybdenum, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Selenium, Total	7	15	0.467	3.388	3.449					2.326	non-norm	nonpar
Thallium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Total Radium	9	15	0.600	1.847	1.948					2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, Total	ug/L	0	16					1.0000	nonpar	***	0.98
Arsenic, Total	ug/L	1	16					1.3000	nonpar		0.98
Barium, Total	ug/L	16	16	57.8563	5.2923	0.0100	2.6804	72.0416	normal		
Beryllium, Total	ug/L	0	12					0.2000	nonpar	***	0.96
Cadmium, Total	ug/L	0	12					2.0000	nonpar	***	0.96
Chromium, Total	ug/L	0	12					10.0000	nonpar	***	0.96
Cobalt, Total	ug/L	1	15					1.2000	nonpar		0.97
Fluoride	mg/L	6	16					0.1200	nonpar		0.98
Lead, Total	ug/L	0	13					10.0000	nonpar	***	0.96
Lithium, Total	ug/L	0	16					20.0000	nonpar	***	0.98
Mercury	ug/L	0	11					2.0000	nonpar	***	0.95
Molybdenum, Total	ug/L	0	16					10.0000	nonpar	***	0.98
Selenium, Total	ug/L	7	15					1.3000	nonpar		0.97
Thallium, Total	ug/L	0	12					1.0000	nonpar	***	0.96
Total Radium	pCi/L	9	15	0.5952	0.6108	0.0100	2.7079	2.2492	normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Selenium, Total	ug/L	MW-13D	05/07/2020	10.0000	< 10.0000	08/08/2019-10/04/2024	16	0.5973

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-11D	04/20/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	06/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	08/12/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	09/30/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	12/01/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	01/31/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	05/25/2017		24.4000	*	1.3000
Arsenic, Total	ug/L	MW-11D	08/10/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	05/22/2018		6.1000	*	1.3000
Arsenic, Total	ug/L	MW-11D	09/12/2018		5.3000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/08/2019		5.1000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/14/2019		5.0000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/07/2020		5.6000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/12/2020		4.6000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/17/2021		5.1000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/17/2021		6.2000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/12/2022		5.2000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/29/2022		5.0000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/03/2023		5.4000	*	1.3000
Arsenic, Total	ug/L	MW-11D	10/09/2023		4.9000	*	1.3000
Arsenic, Total	ug/L	MW-11D	04/09/2024		4.4000	*	1.3000
Arsenic, Total	ug/L	MW-11D	10/15/2024		4.4000	*	1.3000
Arsenic, Total	ug/L	MW-1D	04/19/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	06/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	08/10/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	09/30/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	12/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	01/31/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	05/26/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	08/11/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	05/23/2018		1.6000	*	1.3000
Arsenic, Total	ug/L	MW-1D	09/11/2018		1.6000	*	1.3000
Arsenic, Total	ug/L	MW-1D	05/08/2019		1.5000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/14/2019		3.6000	*	1.3000
Arsenic, Total	ug/L	MW-1D	05/05/2020		1.9000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/11/2020		4.2000	*	1.3000
Arsenic, Total	ug/L	MW-1D	05/25/2021		2.3000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/09/2021		2.1000	*	1.3000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-1D	05/10/2022		3.7000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/22/2022		2.5000	*	1.3000
Arsenic, Total	ug/L	MW-1D	04/19/2023		1.7000	*	1.3000
Arsenic, Total	ug/L	MW-1D	10/11/2023		2.7000	*	1.3000
Arsenic, Total	ug/L	MW-1D	04/09/2024		1.9000	*	1.3000
Arsenic, Total	ug/L	MW-1D	10/15/2024		2.1000	*	1.3000
Arsenic, Total	ug/L	MW-2D	04/19/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	06/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	08/11/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	09/30/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	12/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	01/31/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	05/26/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	08/11/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	05/22/2018		3.2000	*	1.3000
Arsenic, Total	ug/L	MW-2D	09/11/2018		3.9000	*	1.3000
Arsenic, Total	ug/L	MW-2D	05/09/2019		3.2000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/13/2019		3.7000	*	1.3000
Arsenic, Total	ug/L	MW-2D	05/05/2020		3.5000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/11/2020		4.0000	*	1.3000
Arsenic, Total	ug/L	MW-2D	05/11/2021		4.5000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/10/2021	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-2D	05/11/2022		3.7000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/15/2022		4.1000	*	1.3000
Arsenic, Total	ug/L	MW-2D	04/18/2023		3.8000	*	1.3000
Arsenic, Total	ug/L	MW-2D	10/10/2023		4.7000	*	1.3000
Arsenic, Total	ug/L	MW-2D	04/05/2024		4.6000	*	1.3000
Arsenic, Total	ug/L	MW-2D	10/07/2024		4.2000	*	1.3000
Arsenic, Total	ug/L	MW-6D	04/20/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	06/01/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	08/11/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	09/29/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	12/01/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	01/30/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	05/25/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	08/10/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-6D	05/22/2018	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	09/10/2018	ND	1.0000		1.3000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-6D	05/08/2019	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	11/14/2019	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	05/08/2020	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	11/10/2020	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	05/18/2021	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	11/09/2021	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	05/11/2022	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	11/15/2022	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	05/01/2023	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	10/10/2023	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-6D	04/04/2024		1.7000	*	1.3000
Arsenic, Total	ug/L	MW-6D	10/02/2024	ND	1.0000		1.3000
Fluoride	mg/L	MW-11D	04/20/2016		0.2600	*	0.1200
Fluoride	mg/L	MW-11D	06/02/2016		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	08/12/2016		0.2100	*	0.1200
Fluoride	mg/L	MW-11D	09/30/2016		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	12/01/2016		0.2200	*	0.1200
Fluoride	mg/L	MW-11D	01/31/2017		0.2400	*	0.1200
Fluoride	mg/L	MW-11D	05/25/2017		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	08/10/2017		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	09/28/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-11D	05/22/2018		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	09/12/2018		0.1700	*	0.1200
Fluoride	mg/L	MW-11D	05/08/2019		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	11/14/2019		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	05/07/2020		0.2400	*	0.1200
Fluoride	mg/L	MW-11D	11/12/2020		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	05/17/2021		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	11/17/2021		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	05/12/2022		0.3000	*	0.1200
Fluoride	mg/L	MW-11D	11/29/2022		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	05/03/2023		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	10/09/2023		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	04/09/2024		0.3400	*	0.1200
Fluoride	mg/L	MW-11D	10/15/2024		0.3100	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2016		0.4400	*	0.1200
Fluoride	mg/L	MW-1D	06/02/2016		0.4400	*	0.1200
Fluoride	mg/L	MW-1D	08/10/2016		0.4200	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1D	09/30/2016		0.4600	*	0.1200
Fluoride	mg/L	MW-1D	12/02/2016		0.4600	*	0.1200
Fluoride	mg/L	MW-1D	01/31/2017		0.4100	*	0.1200
Fluoride	mg/L	MW-1D	05/26/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	08/11/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	09/28/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	05/23/2018		0.3600	*	0.1200
Fluoride	mg/L	MW-1D	09/11/2018		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	05/08/2019		0.3500	*	0.1200
Fluoride	mg/L	MW-1D	11/14/2019		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/05/2020		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	11/11/2020		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/25/2021		0.3100	*	0.1200
Fluoride	mg/L	MW-1D	11/09/2021		0.3000	*	0.1200
Fluoride	mg/L	MW-1D	05/10/2022		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	11/22/2022		0.3800	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2023		0.3400	*	0.1200
Fluoride	mg/L	MW-1D	10/11/2023		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	04/09/2024		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	10/15/2024		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	04/19/2016		0.4200	*	0.1200
Fluoride	mg/L	MW-2D	06/02/2016		0.4100	*	0.1200
Fluoride	mg/L	MW-2D	08/11/2016		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/30/2016		0.3900	*	0.1200
Fluoride	mg/L	MW-2D	12/02/2016		0.4100	*	0.1200
Fluoride	mg/L	MW-2D	01/31/2017		0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/26/2017		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	08/11/2017		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/27/2017		0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/22/2018		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	09/11/2018		0.2900	*	0.1200
Fluoride	mg/L	MW-2D	05/09/2019		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	11/13/2019		0.3300	*	0.1200
Fluoride	mg/L	MW-2D	05/05/2020		0.3500	*	0.1200
Fluoride	mg/L	MW-2D	11/11/2020		0.3400	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2021		0.1900	*	0.1200
Fluoride	mg/L	MW-2D	11/10/2021		0.2700	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2022		0.2900	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-2D	11/15/2022		0.2800	*	0.1200
Fluoride	mg/L	MW-2D	04/18/2023		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	10/10/2023		0.3100	*	0.1200
Fluoride	mg/L	MW-2D	04/05/2024		0.3400	*	0.1200
Fluoride	mg/L	MW-2D	10/07/2024		0.2900	*	0.1200
Fluoride	mg/L	MW-6D	04/20/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	06/01/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/11/2016		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	09/29/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	12/01/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	01/30/2017		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/25/2017		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/10/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-6D	09/27/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-6D	05/22/2018		0.1200		0.1200
Fluoride	mg/L	MW-6D	09/10/2018		0.1200		0.1200
Fluoride	mg/L	MW-6D	05/08/2019		0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/14/2019		0.1400	*	0.1200
Fluoride	mg/L	MW-6D	05/08/2020		0.1300	*	0.1200
Fluoride	mg/L	MW-6D	11/10/2020		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	05/18/2021		0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/09/2021		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/11/2022		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	11/15/2022		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/01/2023		0.2200	*	0.1200
Fluoride	mg/L	MW-6D	10/10/2023		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	04/04/2024		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	10/02/2024		0.2000	*	0.1200
Lithium, Total	ug/L	MW-11D	04/20/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	06/02/2016		99.6000	*	20.0000
Lithium, Total	ug/L	MW-11D	08/12/2016		91.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/30/2016		95.9000	*	20.0000
Lithium, Total	ug/L	MW-11D	12/01/2016		97.4000	*	20.0000
Lithium, Total	ug/L	MW-11D	01/31/2017		88.3000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/25/2017		134.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	08/10/2017		98.8000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/22/2018		91.9000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/12/2018		83.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-11D	05/08/2019		93.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/14/2019		93.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/07/2020		94.1000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/12/2020		85.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/17/2021		84.1000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/17/2021		82.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/12/2022		88.1000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/29/2022		81.9000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/03/2023		79.2000	*	20.0000
Lithium, Total	ug/L	MW-11D	10/09/2023		83.2000	*	20.0000
Lithium, Total	ug/L	MW-11D	04/09/2024		79.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	10/15/2024		87.4000	*	20.0000
Lithium, Total	ug/L	MW-1D	04/19/2016		108.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	06/02/2016		99.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	08/10/2016		91.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	09/30/2016		90.9000	*	20.0000
Lithium, Total	ug/L	MW-1D	12/02/2016		90.8000	*	20.0000
Lithium, Total	ug/L	MW-1D	01/31/2017		88.6000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/26/2017		94.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	08/11/2017		92.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/23/2018		99.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	09/11/2018		89.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/08/2019		99.7000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/14/2019		90.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/05/2020		94.3000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/11/2020		83.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/25/2021		82.6000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/09/2021		93.6000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/10/2022		84.5000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/22/2022		80.9000	*	20.0000
Lithium, Total	ug/L	MW-1D	04/19/2023		88.9000	*	20.0000
Lithium, Total	ug/L	MW-1D	10/11/2023		83.3000	*	20.0000
Lithium, Total	ug/L	MW-1D	04/09/2024		81.5000	*	20.0000
Lithium, Total	ug/L	MW-1D	10/15/2024		88.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/19/2016		115.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	06/02/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/11/2016		109.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/30/2016		106.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-2D	12/02/2016		108.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	01/31/2017		105.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/26/2017		106.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/11/2017		102.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/22/2018		91.1000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/11/2018		69.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/09/2019		86.5000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/13/2019		76.5000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/05/2020		74.4000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/11/2020		52.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/11/2021		51.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/10/2021		49.6000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/11/2022		51.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/15/2022		49.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/18/2023		47.9000	*	20.0000
Lithium, Total	ug/L	MW-2D	10/10/2023		34.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/05/2024		34.5000	*	20.0000
Lithium, Total	ug/L	MW-2D	10/07/2024		29.6000	*	20.0000
Lithium, Total	ug/L	MW-6D	04/20/2016		155.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	06/01/2016		134.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	08/11/2016		138.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	09/29/2016		137.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	12/01/2016		132.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	01/30/2017		132.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/25/2017		134.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	08/10/2017		121.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/22/2018		105.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	09/10/2018		90.6000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/08/2019		113.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/14/2019		97.3000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/08/2020		99.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/10/2020		81.7000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/18/2021		84.5000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/09/2021		86.3000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/11/2022		80.7000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/15/2022		81.2000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/01/2023		70.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	10/10/2023		71.1000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-6D	04/04/2024		70.3000	*	20.0000
Lithium, Total	ug/L	MW-6D	10/02/2024		70.0000	*	20.0000
Molybdenum, Total	ug/L	MW-11D	04/20/2016		202.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	06/02/2016		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	08/12/2016		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	09/30/2016		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	12/01/2016		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	01/31/2017		182.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/25/2017		183.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	08/10/2017		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/22/2018		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	09/12/2018		156.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/08/2019		175.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/14/2019		162.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/07/2020		176.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/12/2020		170.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/17/2021		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/17/2021		183.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/12/2022		169.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/29/2022		159.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/03/2023		149.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	10/09/2023		133.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	04/09/2024		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	10/15/2024		121.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/19/2016		108.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	06/02/2016		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	08/10/2016		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/30/2016		126.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	12/02/2016		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	01/31/2017		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/26/2017		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	08/11/2017		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/23/2018		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/11/2018		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/08/2019		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/14/2019		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/05/2020		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/11/2020		113.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-1D	05/25/2021		106.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/09/2021		112.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/10/2022		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/22/2022		101.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/19/2023		96.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	10/11/2023		92.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/09/2024		96.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	10/15/2024		85.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/19/2016		103.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	06/02/2016		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/11/2016		102.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/30/2016		99.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	12/02/2016		110.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	01/31/2017		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/26/2017		120.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/11/2017		120.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/22/2018		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/11/2018		101.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/09/2019		94.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/13/2019		93.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/05/2020		92.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/11/2020		76.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/11/2021		67.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/10/2021		67.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/11/2022		59.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/15/2022		52.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/18/2023		47.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	10/10/2023		47.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/05/2024		42.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	10/07/2024		34.3000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	04/20/2016		184.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	06/01/2016		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	08/11/2016		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	09/29/2016		180.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	12/01/2016		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	01/30/2017		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/25/2017		208.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	08/10/2017		213.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

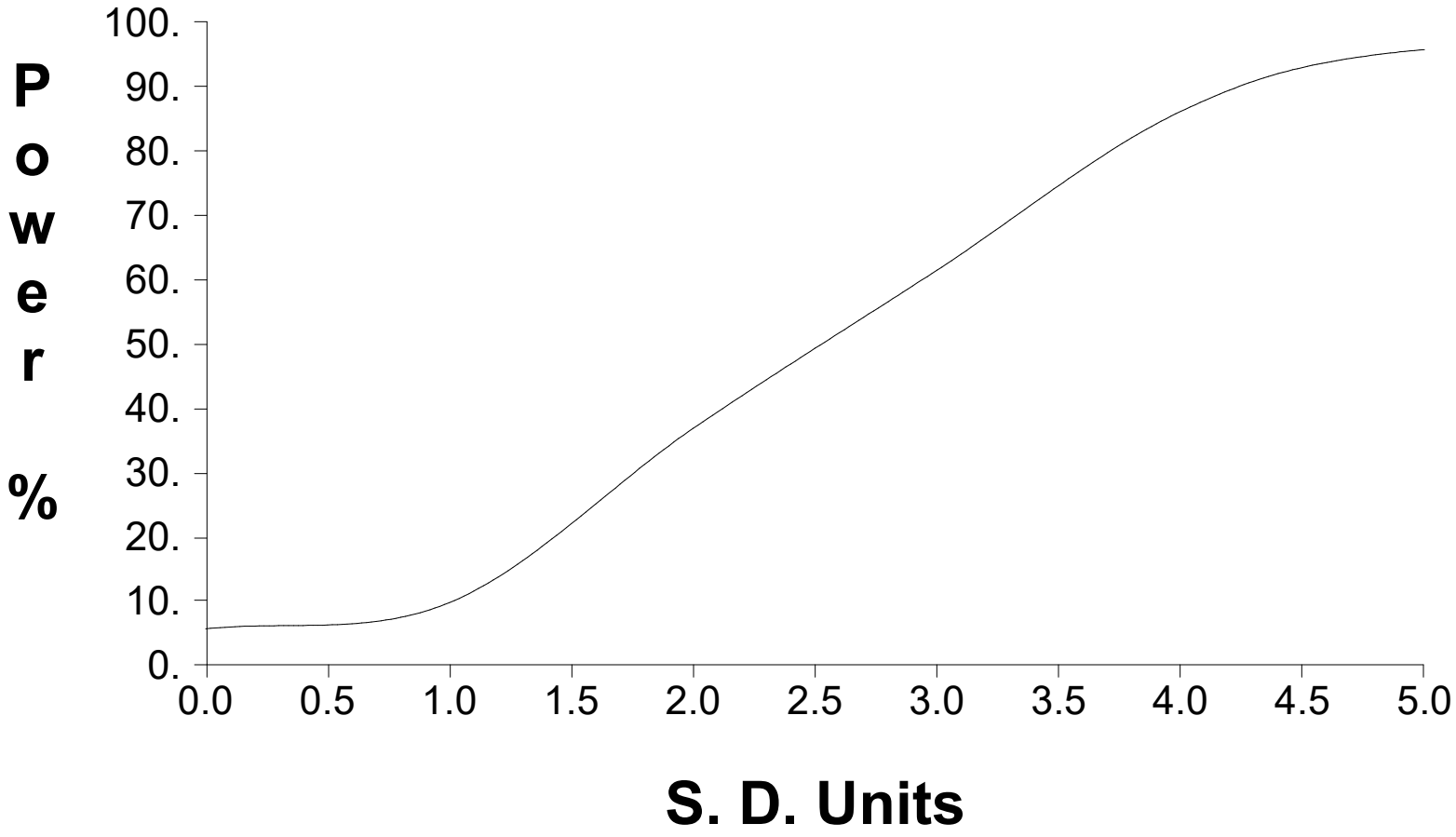
Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-6D	05/22/2018		208.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	09/10/2018		190.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/08/2019		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/14/2019		175.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/08/2020		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/10/2020		210.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/18/2021		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/09/2021		244.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/11/2022		209.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/15/2022		210.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/01/2023		212.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	10/10/2023		203.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	04/04/2024		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	10/02/2024		213.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

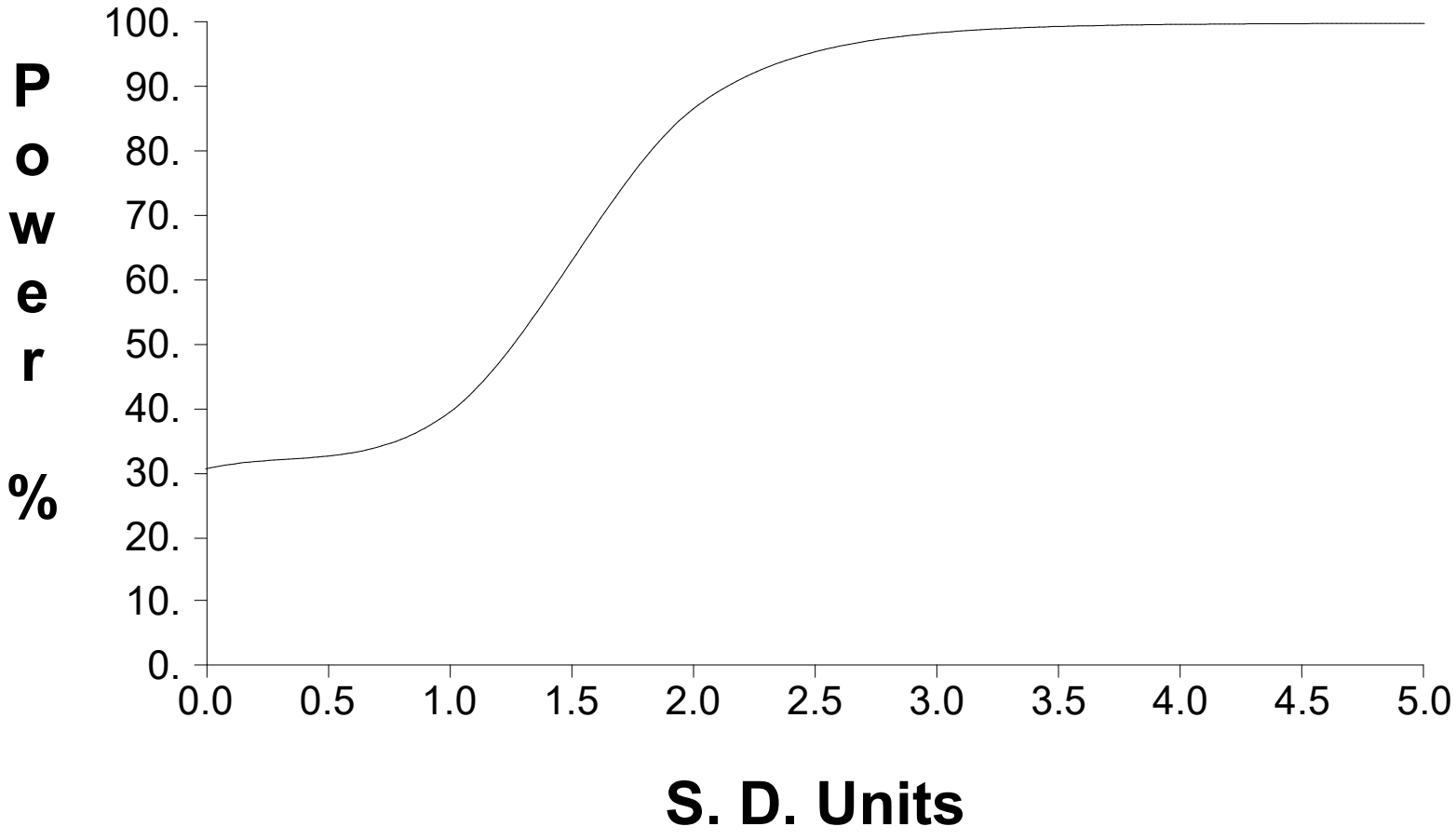


Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Boron, Total	ug/L	MW-13S	08/08/2019	ND	100.0000	
Boron, Total	ug/L	MW-13S	09/25/2019	ND	100.0000	
Boron, Total	ug/L	MW-13S	05/07/2020	ND	100.0000	
Boron, Total	ug/L	MW-13S	11/12/2020	ND	100.0000	
Boron, Total	ug/L	MW-13S	02/25/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	03/29/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	05/20/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	06/22/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	07/27/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	11/16/2021	ND	100.0000	
Boron, Total	ug/L	MW-13S	05/19/2022	ND	100.0000	
Boron, Total	ug/L	MW-13S	11/18/2022	ND	100.0000	
Boron, Total	ug/L	MW-13S	04/18/2023	ND	100.0000	
Boron, Total	ug/L	MW-13S	10/11/2023	ND	100.0000	
Boron, Total	ug/L	MW-13S	04/10/2024	ND	100.0000	
Boron, Total	ug/L	MW-13S	10/04/2024	ND	100.0000	
Boron, Total	ug/L	MW-13S	04/04/2025	ND	100.0000	
Calcium, Total	ug/L	MW-13S	08/08/2019		109000.0000	
Calcium, Total	ug/L	MW-13S	09/25/2019		106000.0000	
Calcium, Total	ug/L	MW-13S	05/07/2020		127000.0000	
Calcium, Total	ug/L	MW-13S	11/12/2020		103000.0000	
Calcium, Total	ug/L	MW-13S	02/25/2021		123000.0000	
Calcium, Total	ug/L	MW-13S	03/29/2021		134000.0000	
Calcium, Total	ug/L	MW-13S	05/20/2021		125000.0000	
Calcium, Total	ug/L	MW-13S	06/22/2021		107000.0000	
Calcium, Total	ug/L	MW-13S	07/27/2021		106000.0000	
Calcium, Total	ug/L	MW-13S	11/16/2021		114000.0000	
Calcium, Total	ug/L	MW-13S	05/19/2022		133000.0000	
Calcium, Total	ug/L	MW-13S	11/18/2022		112000.0000	
Calcium, Total	ug/L	MW-13S	04/18/2023		113000.0000	
Calcium, Total	ug/L	MW-13S	10/11/2023		105000.0000	
Calcium, Total	ug/L	MW-13S	04/10/2024		89900.0000	
Calcium, Total	ug/L	MW-13S	10/04/2024		101000.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Calcium, Total	ug/L	MW-13S	04/04/2025		92100.0000	
Chloride	mg/L	MW-13S	08/08/2019		22.5000	
Chloride	mg/L	MW-13S	09/25/2019		6.9000	
Chloride	mg/L	MW-13S	05/07/2020		40.7000	
Chloride	mg/L	MW-13S	11/12/2020		10.0000	
Chloride	mg/L	MW-13S	02/25/2021		13.7000	
Chloride	mg/L	MW-13S	03/29/2021		21.1000	
Chloride	mg/L	MW-13S	05/20/2021		21.6000	
Chloride	mg/L	MW-13S	06/22/2021		12.1000	
Chloride	mg/L	MW-13S	07/27/2021		9.5000	
Chloride	mg/L	MW-13S	11/16/2021		22.8000	
Chloride	mg/L	MW-13S	05/19/2022		42.2000	
Chloride	mg/L	MW-13S	11/18/2022		26.3000	
Chloride	mg/L	MW-13S	04/18/2023		50.6000	
Chloride	mg/L	MW-13S	10/11/2023		32.0000	
Chloride	mg/L	MW-13S	04/10/2024		25.8000	
Chloride	mg/L	MW-13S	10/04/2024		32.6000	
Chloride	mg/L	MW-13S	04/04/2025		24.9000	
Fluoride	mg/L	MW-13S	08/08/2019	ND	0.1000	
Fluoride	mg/L	MW-13S	09/25/2019	ND	0.1000	
Fluoride	mg/L	MW-13S	05/07/2020	ND	0.1000	
Fluoride	mg/L	MW-13S	11/12/2020	ND	0.1000	
Fluoride	mg/L	MW-13S	02/25/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	03/29/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	05/20/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	06/22/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	07/27/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	11/16/2021	ND	0.1000	
Fluoride	mg/L	MW-13S	05/19/2022	ND	0.1000	
Fluoride	mg/L	MW-13S	11/18/2022	ND	0.1000	
Fluoride	mg/L	MW-13S	04/18/2023	ND	0.1000	
Fluoride	mg/L	MW-13S	10/11/2023	ND	0.1000	
Fluoride	mg/L	MW-13S	04/10/2024	ND	0.1000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Fluoride	mg/L	MW-13S	10/04/2024	ND	0.1000	
Fluoride	mg/L	MW-13S	04/04/2025	ND	0.1000	
pH (field)	S.U.	MW-13S	08/08/2019		7.0000	
pH (field)	S.U.	MW-13S	09/25/2019		7.0200	
pH (field)	S.U.	MW-13S	05/07/2020		6.9700	
pH (field)	S.U.	MW-13S	11/12/2020		7.1100	
pH (field)	S.U.	MW-13S	02/25/2021		7.1700	
pH (field)	S.U.	MW-13S	03/29/2021		6.2800	
pH (field)	S.U.	MW-13S	05/20/2021		6.5100	
pH (field)	S.U.	MW-13S	07/27/2021		6.1900	
pH (field)	S.U.	MW-13S	11/16/2021		7.1100	
pH (field)	S.U.	MW-13S	05/19/2022		6.6800	
pH (field)	S.U.	MW-13S	11/18/2022		7.2700	
pH (field)	S.U.	MW-13S	04/18/2023		7.0200	
pH (field)	S.U.	MW-13S	10/11/2023		6.9900	
pH (field)	S.U.	MW-13S	04/10/2024		7.0700	
pH (field)	S.U.	MW-13S	10/04/2024		7.0700	
pH (field)	S.U.	MW-13S	04/04/2025		7.5300	
Sulfate	mg/L	MW-13S	08/08/2019		18.3000	
Sulfate	mg/L	MW-13S	09/25/2019		15.1000	
Sulfate	mg/L	MW-13S	05/07/2020		24.8000	
Sulfate	mg/L	MW-13S	11/12/2020		12.7000	
Sulfate	mg/L	MW-13S	02/25/2021		25.5000	
Sulfate	mg/L	MW-13S	03/29/2021		30.9000	
Sulfate	mg/L	MW-13S	05/20/2021		26.5000	
Sulfate	mg/L	MW-13S	06/22/2021		17.5000	
Sulfate	mg/L	MW-13S	07/27/2021		15.2000	
Sulfate	mg/L	MW-13S	11/16/2021		15.1000	
Sulfate	mg/L	MW-13S	05/19/2022		27.7000	
Sulfate	mg/L	MW-13S	11/18/2022		19.0000	
Sulfate	mg/L	MW-13S	04/18/2023		15.7000	
Sulfate	mg/L	MW-13S	10/11/2023		15.8000	
Sulfate	mg/L	MW-13S	04/10/2024		12.5000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Sulfate	mg/L	MW-13S	10/04/2024		14.1000	
Sulfate	mg/L	MW-13S	04/04/2025		15.4000	
Total Dissolved Solids	mg/L	MW-13S	08/08/2019		442.0000	
Total Dissolved Solids	mg/L	MW-13S	09/25/2019		425.0000	
Total Dissolved Solids	mg/L	MW-13S	05/07/2020		479.0000	
Total Dissolved Solids	mg/L	MW-13S	11/12/2020		387.0000	
Total Dissolved Solids	mg/L	MW-13S	02/25/2021		501.0000	
Total Dissolved Solids	mg/L	MW-13S	03/29/2021		527.0000	
Total Dissolved Solids	mg/L	MW-13S	05/20/2021		480.0000	
Total Dissolved Solids	mg/L	MW-13S	06/22/2021		411.0000	
Total Dissolved Solids	mg/L	MW-13S	07/27/2021		427.0000	
Total Dissolved Solids	mg/L	MW-13S	11/16/2021		422.0000	
Total Dissolved Solids	mg/L	MW-13S	05/19/2022		569.0000	
Total Dissolved Solids	mg/L	MW-13S	11/18/2022		480.0000	
Total Dissolved Solids	mg/L	MW-13S	04/18/2023		493.0000	
Total Dissolved Solids	mg/L	MW-13S	10/11/2023		475.0000	
Total Dissolved Solids	mg/L	MW-13S	04/10/2024		445.0000	
Total Dissolved Solids	mg/L	MW-13S	10/04/2024		447.0000	
Total Dissolved Solids	mg/L	MW-13S	04/04/2025		446.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10S	04/04/2025		4850.0000	***	100.0000
Boron, Total	ug/L	MW-11S	04/03/2025		998.0000	***	100.0000
Boron, Total	ug/L	MW-12S	04/17/2025		3090.0000	***	100.0000
Boron, Total	ug/L	MW-1S	04/22/2025		2050.0000	***	100.0000
Boron, Total	ug/L	MW-26S	04/03/2025		3010.0000	***	100.0000
Boron, Total	ug/L	MW-2S	04/14/2025		456.0000	***	100.0000
Boron, Total	ug/L	MW-3S	04/18/2025		762.0000	***	100.0000
Boron, Total	ug/L	MW-4S	04/14/2025		541.0000	***	100.0000
Boron, Total	ug/L	MW-6S	04/10/2025		488.0000	***	100.0000
Boron, Total	ug/L	MW-7S	04/09/2025		2550.0000	***	100.0000
Boron, Total	ug/L	MW-8S	04/01/2025		2360.0000	***	100.0000
Boron, Total	ug/L	MW-9S	04/01/2025		4870.0000	***	100.0000
Calcium, Total	ug/L	MW-10S	04/04/2025		190000.0000	***	146182.1148
Calcium, Total	ug/L	MW-11S	04/03/2025		122000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	04/17/2025		123000.0000	**	146182.1148
Calcium, Total	ug/L	MW-1S	04/22/2025		184000.0000	*	146182.1148
Calcium, Total	ug/L	MW-26S	04/03/2025		300000.0000	***	146182.1148
Calcium, Total	ug/L	MW-2S	04/14/2025		130000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	04/18/2025		156000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	04/14/2025		79400.0000	**	146182.1148
Calcium, Total	ug/L	MW-6S	04/10/2025		73100.0000	**	146182.1148
Calcium, Total	ug/L	MW-7S	04/09/2025		248000.0000	***	146182.1148
Calcium, Total	ug/L	MW-8S	04/01/2025		278000.0000	***	146182.1148
Calcium, Total	ug/L	MW-9S	04/01/2025		489000.0000	***	146182.1148
Chloride	mg/L	MW-10S	04/04/2025		93.7000	*	57.1423
Chloride	mg/L	MW-11S	04/03/2025		108.0000	***	57.1423
Chloride	mg/L	MW-12S	04/17/2025		40.8000		57.1423
Chloride	mg/L	MW-1S	04/22/2025		65.3000	***	57.1423
Chloride	mg/L	MW-26S	04/03/2025		327.0000	***	57.1423
Chloride	mg/L	MW-2S	04/14/2025		95.1000	***	57.1423
Chloride	mg/L	MW-3S	04/18/2025		51.2000	**	57.1423

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-4S	04/14/2025		51.3000	**	57.1423
Chloride	mg/L	MW-6S	04/10/2025		24.2000		57.1423
Chloride	mg/L	MW-7S	04/09/2025		144.0000	***	57.1423
Chloride	mg/L	MW-8S	04/01/2025		303.0000	***	57.1423
Chloride	mg/L	MW-9S	04/01/2025		477.0000	***	57.1423
Fluoride	mg/L	MW-10S	04/04/2025		0.1900	***	0.1000
Fluoride	mg/L	MW-11S	04/03/2025		0.2000	***	0.1000
Fluoride	mg/L	MW-12S	04/17/2025		0.2400	***	0.1000
Fluoride	mg/L	MW-1S	04/22/2025	ND	0.1000	**	0.1000
Fluoride	mg/L	MW-26S	04/03/2025		0.4200	***	0.1000
Fluoride	mg/L	MW-2S	04/14/2025		0.2200	***	0.1000
Fluoride	mg/L	MW-3S	04/18/2025		0.1900	***	0.1000
Fluoride	mg/L	MW-4S	04/14/2025		0.3500	***	0.1000
Fluoride	mg/L	MW-6S	04/10/2025		0.2900	***	0.1000
Fluoride	mg/L	MW-7S	04/09/2025	ND	0.1000		0.1000
Fluoride	mg/L	MW-8S	04/01/2025		0.3700	***	0.1000
Fluoride	mg/L	MW-9S	04/01/2025		0.5200	***	0.1000
pH (field)	S.U.	MW-10S	04/04/2025		7.4600		5.87 - 8.01
pH (field)	S.U.	MW-11S	04/03/2025		7.4400		5.87 - 8.01
pH (field)	S.U.	MW-12S	04/17/2025		7.5600		5.87 - 8.01
pH (field)	S.U.	MW-1S	04/22/2025		6.8000		5.87 - 8.01
pH (field)	S.U.	MW-26S	04/03/2025		7.6400		5.87 - 8.01
pH (field)	S.U.	MW-2S	04/14/2025		7.3700		5.87 - 8.01
pH (field)	S.U.	MW-3S	04/18/2025		7.1500		5.87 - 8.01
pH (field)	S.U.	MW-4S	04/14/2025		7.8200		5.87 - 8.01
pH (field)	S.U.	MW-6S	04/10/2025		7.7200		5.87 - 8.01
pH (field)	S.U.	MW-7S	04/09/2025		7.0600		5.87 - 8.01
pH (field)	S.U.	MW-8S	04/01/2025		7.8400		5.87 - 8.01
pH (field)	S.U.	MW-9S	04/01/2025		8.0400	*	5.87 - 8.01
Sulfate	mg/L	MW-10S	04/04/2025		371.0000	***	34.3199
Sulfate	mg/L	MW-11S	04/03/2025		127.0000	***	34.3199

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-12S	04/17/2025		94.3000	***	34.3199
Sulfate	mg/L	MW-1S	04/22/2025		168.0000	***	34.3199
Sulfate	mg/L	MW-26S	04/03/2025		971.0000	***	34.3199
Sulfate	mg/L	MW-2S	04/14/2025		92.8000	***	34.3199
Sulfate	mg/L	MW-3S	04/18/2025		95.3000	***	34.3199
Sulfate	mg/L	MW-4S	04/14/2025		89.6000	***	34.3199
Sulfate	mg/L	MW-6S	04/10/2025		32.2000	**	34.3199
Sulfate	mg/L	MW-7S	04/09/2025		471.0000	***	34.3199
Sulfate	mg/L	MW-8S	04/01/2025		846.0000	***	34.3199
Sulfate	mg/L	MW-9S	04/01/2025		1610.0000	***	34.3199
Total Dissolved Solids	mg/L	MW-10S	04/04/2025		996.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-11S	04/03/2025		693.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-12S	04/17/2025		585.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-1S	04/22/2025		856.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-26S	04/03/2025		2090.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-2S	04/14/2025		698.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-3S	04/18/2025		719.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-4S	04/14/2025		437.0000	**	582.4955
Total Dissolved Solids	mg/L	MW-6S	04/10/2025		298.0000	**	582.4955
Total Dissolved Solids	mg/L	MW-7S	04/09/2025		1300.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-8S	04/01/2025		1840.0000	***	582.4955
Total Dissolved Solids	mg/L	MW-9S	04/01/2025		3410.0000	***	582.4955

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Boron, Total	0	17	0.000	257	258	0.996
Calcium, Total	17	17	1.000	258	258	1.000
Chloride	17	17	1.000	257	258	0.996
Fluoride	0	17	0.000	242	258	0.938
pH (field)	16	16	1.000	257	257	1.000
Sulfate	17	17	1.000	258	258	1.000
Total Dissolved Solids	17	17	1.000	258	258	1.000

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Boron, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Calcium, Total	17	17	1.000	0.037	0.171					2.326	normal	normal
Chloride	17	17	1.000	0.103	0.167					2.326	normal	normal
Fluoride	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
pH (field)	16	16	1.000	1.723	1.926					2.326	normal	normal
Sulfate	17	17	1.000	2.246	1.595					2.326	normal	normal
Total Dissolved Solids	17	17	1.000	0.349	1.197					2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Boron, Total	ug/L	0	17					100.0000	nonpar	***	0.94
Calcium, Total	ug/L	17	17	111764.7059	12955.4014	0.0100	2.6566	146182.1148	normal		
Chloride	mg/L	17	17	24.4294	12.3138	0.0100	2.6566	57.1423	normal		
Fluoride	mg/L	0	17					0.1000	nonpar	***	0.94
pH (field)	S.U.	16	16	6.9369	0.3532	0.0100	3.0334	5.87 - 8.01	normal		
Sulfate	mg/L	17	17	18.9294	5.7933	0.0100	2.6566	34.3199	normal		
Total Dissolved Solids	mg/L	17	17	462.1176	45.3126	0.0100	2.6566	582.4955	normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10S	04/21/2016		6920.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/31/2016		7200.0000	*	100.0000
Boron, Total	ug/L	MW-10S	08/11/2016		6130.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/29/2016		6360.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/30/2016		5790.0000	*	100.0000
Boron, Total	ug/L	MW-10S	01/30/2017		4840.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/24/2017		4010.0000	*	100.0000
Boron, Total	ug/L	MW-10S	08/09/2017		3190.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/28/2017		2580.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/23/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/11/2018		4770.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/07/2019		4350.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/07/2020		8460.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/11/2020		6840.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/21/2021		5970.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/12/2021		5770.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/18/2022		7250.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/04/2023		6300.0000	*	100.0000
Boron, Total	ug/L	MW-10S	04/17/2024		5760.0000	*	100.0000
Boron, Total	ug/L	MW-10S	04/04/2025		4850.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/20/2016		7700.0000	*	100.0000
Boron, Total	ug/L	MW-11S	06/02/2016		8370.0000	*	100.0000
Boron, Total	ug/L	MW-11S	08/12/2016		10100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/30/2016		10100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	12/01/2016		9910.0000	*	100.0000
Boron, Total	ug/L	MW-11S	01/31/2017		7750.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/25/2017		7100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	08/10/2017		7350.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/28/2017		7290.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/23/2018		6570.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-11S	09/11/2018		5830.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/08/2019		6650.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/07/2020		5400.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/12/2020		4270.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/17/2021		3810.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/17/2021		5080.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/12/2022		4980.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/21/2022		3780.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/02/2023		1360.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/09/2024		807.0000	*	100.0000
Boron, Total	ug/L	MW-11S	10/15/2024		1530.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/03/2025		998.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/20/2016		1820.0000	*	100.0000
Boron, Total	ug/L	MW-12S	06/01/2016		1720.0000	*	100.0000
Boron, Total	ug/L	MW-12S	08/11/2016		2450.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/29/2016		2600.0000	*	100.0000
Boron, Total	ug/L	MW-12S	12/01/2016		2130.0000	*	100.0000
Boron, Total	ug/L	MW-12S	01/30/2017		2570.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/25/2017		4250.0000	*	100.0000
Boron, Total	ug/L	MW-12S	08/10/2017		4440.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/27/2017		3080.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/23/2018		3300.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/12/2018		4540.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/08/2019		7630.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/08/2020		9320.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/12/2020		9050.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/13/2021		7680.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/10/2021		6030.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/12/2022		5030.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/15/2022		13300.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-12S	04/27/2023		4520.0000	*	100.0000
Boron, Total	ug/L	MW-12S	10/11/2023		6950.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/05/2024		6800.0000	*	100.0000
Boron, Total	ug/L	MW-12S	10/01/2024		4600.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/17/2025		3090.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/19/2016		3860.0000	*	100.0000
Boron, Total	ug/L	MW-1S	06/02/2016		3280.0000	*	100.0000
Boron, Total	ug/L	MW-1S	08/10/2016		2700.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/30/2016		3710.0000	*	100.0000
Boron, Total	ug/L	MW-1S	12/02/2016		3860.0000	*	100.0000
Boron, Total	ug/L	MW-1S	01/31/2017		4300.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/26/2017		4340.0000	*	100.0000
Boron, Total	ug/L	MW-1S	08/11/2017		4440.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/28/2017		4730.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/23/2018		6110.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/11/2018		3240.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/08/2019		4240.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/14/2019		3650.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/05/2020		3920.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/11/2020		2050.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/25/2021		2800.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/09/2021		3030.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/10/2022		3880.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/22/2022		1690.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/23/2023		2660.0000	*	100.0000
Boron, Total	ug/L	MW-1S	10/11/2023		856.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/09/2024		2400.0000	*	100.0000
Boron, Total	ug/L	MW-1S	10/15/2024		612.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/22/2025		2050.0000	*	100.0000
Boron, Total	ug/L	MW-26S	03/27/2023		3660.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-26S	05/04/2023		2990.0000	*	100.0000
Boron, Total	ug/L	MW-26S	07/05/2023		2280.0000	*	100.0000
Boron, Total	ug/L	MW-26S	10/16/2023		4080.0000	*	100.0000
Boron, Total	ug/L	MW-26S	04/03/2024		3990.0000	*	100.0000
Boron, Total	ug/L	MW-26S	10/02/2024		3400.0000	*	100.0000
Boron, Total	ug/L	MW-26S	04/03/2025		3010.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/19/2016		1330.0000	*	100.0000
Boron, Total	ug/L	MW-2S	06/01/2016		1530.0000	*	100.0000
Boron, Total	ug/L	MW-2S	08/11/2016		2220.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/30/2016		2380.0000	*	100.0000
Boron, Total	ug/L	MW-2S	12/02/2016		2190.0000	*	100.0000
Boron, Total	ug/L	MW-2S	01/31/2017		2130.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/26/2017		1930.0000	*	100.0000
Boron, Total	ug/L	MW-2S	08/11/2017		2170.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/27/2017		3390.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/22/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/11/2018		1370.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/09/2019		1380.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/14/2019		1020.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/08/2020		1910.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/11/2020		985.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/11/2021		808.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/10/2021		1050.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/11/2022		1160.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/15/2022		878.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/18/2023		978.0000	*	100.0000
Boron, Total	ug/L	MW-2S	10/10/2023		550.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/05/2024		339.0000	*	100.0000
Boron, Total	ug/L	MW-2S	10/07/2024		373.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/14/2025		456.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-3S	04/20/2016		1660.0000	*	100.0000
Boron, Total	ug/L	MW-3S	06/01/2016		1390.0000	*	100.0000
Boron, Total	ug/L	MW-3S	08/11/2016		1990.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/30/2016		1030.0000	*	100.0000
Boron, Total	ug/L	MW-3S	12/02/2016		444.0000	*	100.0000
Boron, Total	ug/L	MW-3S	01/31/2017		663.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/25/2017		653.0000	*	100.0000
Boron, Total	ug/L	MW-3S	08/11/2017		650.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/27/2017		273.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/22/2018		218.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/11/2018		189.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/09/2019		973.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/13/2019		200.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/05/2020		400.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/10/2020		134.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/12/2021		293.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/18/2021		417.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/11/2022		766.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/16/2022		324.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/18/2023		522.0000	*	100.0000
Boron, Total	ug/L	MW-3S	10/09/2023		392.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/05/2024		232.0000	*	100.0000
Boron, Total	ug/L	MW-3S	10/07/2024		426.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/18/2025		762.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/20/2016		130.0000	*	100.0000
Boron, Total	ug/L	MW-4S	06/01/2016		108.0000	*	100.0000
Boron, Total	ug/L	MW-4S	08/11/2016		150.0000	*	100.0000
Boron, Total	ug/L	MW-4S	09/29/2016		139.0000	*	100.0000
Boron, Total	ug/L	MW-4S	12/01/2016		116.0000	*	100.0000
Boron, Total	ug/L	MW-4S	01/31/2017	ND	100.0000		100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-4S	05/25/2017		105.0000	*	100.0000
Boron, Total	ug/L	MW-4S	08/10/2017		167.0000	*	100.0000
Boron, Total	ug/L	MW-4S	09/28/2017		170.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/22/2018		3060.0000	*	100.0000
Boron, Total	ug/L	MW-4S	09/12/2018		238.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/07/2019		2350.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/13/2019		4010.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/06/2020		2530.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/10/2020		4510.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/21/2021		1060.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/17/2021		129.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/10/2022		606.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/28/2022		2580.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/25/2023		618.0000	*	100.0000
Boron, Total	ug/L	MW-4S	10/12/2023		6090.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/09/2024		465.0000	*	100.0000
Boron, Total	ug/L	MW-4S	10/11/2024		5320.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/14/2025		541.0000	*	100.0000
Boron, Total	ug/L	MW-6S	04/20/2016		2840.0000	*	100.0000
Boron, Total	ug/L	MW-6S	06/01/2016		2800.0000	*	100.0000
Boron, Total	ug/L	MW-6S	08/11/2016		2920.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/29/2016		3160.0000	*	100.0000
Boron, Total	ug/L	MW-6S	12/01/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-6S	01/30/2017		4190.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/25/2017		3990.0000	*	100.0000
Boron, Total	ug/L	MW-6S	08/10/2017		3430.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/27/2017		4040.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/22/2018		4310.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/11/2018		3700.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/08/2019		1230.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-6S	11/13/2019		4030.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/08/2020		4640.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/19/2020		4200.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/18/2021		4980.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/09/2021		4110.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/11/2022		3020.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/01/2023		5950.0000	*	100.0000
Boron, Total	ug/L	MW-6S	04/04/2024		10100.0000	*	100.0000
Boron, Total	ug/L	MW-6S	10/03/2024		6000.0000	*	100.0000
Boron, Total	ug/L	MW-6S	04/10/2025		488.0000	*	100.0000
Boron, Total	ug/L	MW-7S	04/20/2016		7920.0000	*	100.0000
Boron, Total	ug/L	MW-7S	06/01/2016		6560.0000	*	100.0000
Boron, Total	ug/L	MW-7S	08/11/2016		6200.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/29/2016		7710.0000	*	100.0000
Boron, Total	ug/L	MW-7S	12/01/2016		9530.0000	*	100.0000
Boron, Total	ug/L	MW-7S	01/30/2017		9850.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/25/2017		8800.0000	*	100.0000
Boron, Total	ug/L	MW-7S	08/10/2017		8210.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/27/2017		8140.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/23/2018		5570.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/11/2018		1330.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/07/2019		2750.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/07/2020		744.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/11/2020		545.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/17/2021		1520.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/18/2021		1180.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/12/2022		1400.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/16/2022		1490.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/03/2023		2420.0000	*	100.0000
Boron, Total	ug/L	MW-7S	10/09/2023		2660.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-7S	04/10/2024		4290.0000	*	100.0000
Boron, Total	ug/L	MW-7S	10/15/2024		2070.0000	*	100.0000
Boron, Total	ug/L	MW-7S	04/09/2025		2550.0000	*	100.0000
Boron, Total	ug/L	MW-8S	04/20/2016		199.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/31/2016		239.0000	*	100.0000
Boron, Total	ug/L	MW-8S	08/11/2016		150.0000	*	100.0000
Boron, Total	ug/L	MW-8S	09/29/2016		174.0000	*	100.0000
Boron, Total	ug/L	MW-8S	12/01/2016		184.0000	*	100.0000
Boron, Total	ug/L	MW-8S	01/30/2017		154.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/25/2017		121.0000	*	100.0000
Boron, Total	ug/L	MW-8S	08/10/2017		124.0000	*	100.0000
Boron, Total	ug/L	MW-8S	09/27/2017		114.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/22/2018		161.0000	*	100.0000
Boron, Total	ug/L	MW-8S	09/12/2018		902.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/07/2019		1520.0000	*	100.0000
Boron, Total	ug/L	MW-8S	11/13/2019		952.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/07/2020		410.0000	*	100.0000
Boron, Total	ug/L	MW-8S	11/19/2020		2380.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/12/2021		1590.0000	*	100.0000
Boron, Total	ug/L	MW-8S	11/18/2021		625.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/12/2022		723.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/03/2023		1320.0000	*	100.0000
Boron, Total	ug/L	MW-8S	04/04/2024		570.0000	*	100.0000
Boron, Total	ug/L	MW-8S	10/02/2024		2440.0000	*	100.0000
Boron, Total	ug/L	MW-8S	04/01/2025		2360.0000	*	100.0000
Boron, Total	ug/L	MW-9S	04/21/2016		226.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/31/2016		211.0000	*	100.0000
Boron, Total	ug/L	MW-9S	08/11/2016		173.0000	*	100.0000
Boron, Total	ug/L	MW-9S	09/29/2016		185.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/30/2016		176.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-9S	01/30/2017		270.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/24/2017		184.0000	*	100.0000
Boron, Total	ug/L	MW-9S	08/10/2017		239.0000	*	100.0000
Boron, Total	ug/L	MW-9S	09/27/2017		173.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/21/2018		898.0000	*	100.0000
Boron, Total	ug/L	MW-9S	09/12/2018		1170.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/07/2019		3370.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/13/2019		3220.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/06/2020		2020.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/10/2020		3180.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/13/2021		2790.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/12/2021		961.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/12/2022		498.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/08/2023		3150.0000	*	100.0000
Boron, Total	ug/L	MW-9S	10/06/2023		5800.0000	*	100.0000
Boron, Total	ug/L	MW-9S	04/04/2024		662.0000	*	100.0000
Boron, Total	ug/L	MW-9S	10/09/2024		5390.0000	*	100.0000
Boron, Total	ug/L	MW-9S	04/01/2025		4870.0000	*	100.0000
Calcium, Total	ug/L	MW-10S	04/21/2016		139000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	05/31/2016		135000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	08/11/2016		119000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	09/29/2016		114000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	11/30/2016		130000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	01/30/2017		123000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	05/24/2017		134000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	08/09/2017		139000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	09/28/2017		125000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	05/23/2018		124000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	09/11/2018		129000.0000		146182.1148
Calcium, Total	ug/L	MW-10S	05/07/2019		175000.0000	*	146182.1148

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-10S	05/07/2020		199000.0000	*	146182.1148
Calcium, Total	ug/L	MW-10S	11/11/2020		221000.0000	*	146182.1148
Calcium, Total	ug/L	MW-10S	05/21/2021		176000.0000	*	146182.1148
Calcium, Total	ug/L	MW-10S	11/12/2021		197000.0000	*	146182.1148
Calcium, Total	ug/L	MW-10S	05/18/2022		244000.0000	*	146182.1148
Calcium, Total	ug/L	MW-10S	05/04/2023		173000.0000	*	146182.1148
Calcium, Total	ug/L	MW-10S	04/17/2024		189000.0000	*	146182.1148
Calcium, Total	ug/L	MW-10S	04/04/2025		190000.0000	*	146182.1148
Calcium, Total	ug/L	MW-12S	04/20/2016		111000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	06/01/2016		94500.0000		146182.1148
Calcium, Total	ug/L	MW-12S	08/11/2016		87400.0000		146182.1148
Calcium, Total	ug/L	MW-12S	09/29/2016		77400.0000		146182.1148
Calcium, Total	ug/L	MW-12S	12/01/2016		80300.0000		146182.1148
Calcium, Total	ug/L	MW-12S	01/30/2017		80700.0000		146182.1148
Calcium, Total	ug/L	MW-12S	05/25/2017		106000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	08/10/2017		129000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	09/27/2017		91200.0000		146182.1148
Calcium, Total	ug/L	MW-12S	05/23/2018		127000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	09/12/2018		89200.0000		146182.1148
Calcium, Total	ug/L	MW-12S	05/08/2019		123000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	05/08/2020		126000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	11/12/2020		122000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	05/13/2021		122000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	11/10/2021		131000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	05/12/2022		122000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	11/15/2022		128000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	04/27/2023		117000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	10/11/2023		135000.0000		146182.1148
Calcium, Total	ug/L	MW-12S	04/05/2024		149000.0000	*	146182.1148
Calcium, Total	ug/L	MW-12S	10/01/2024		154000.0000	*	146182.1148

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-12S	04/17/2025		123000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	04/19/2016		215000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	06/02/2016		121000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	08/10/2016		97200.0000		146182.1148
Calcium, Total	ug/L	MW-1S	09/30/2016		110000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	12/02/2016		104000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	01/31/2017		185000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	05/26/2017		166000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	08/11/2017		118000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	09/28/2017		105000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	05/23/2018		115000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	09/11/2018		96600.0000		146182.1148
Calcium, Total	ug/L	MW-1S	05/08/2019		246000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	11/14/2019		139000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	05/05/2020		155000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	11/11/2020		158000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	05/25/2021		209000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	11/09/2021		218000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	05/10/2022		212000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	11/22/2022		171000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	04/23/2023		212000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	10/11/2023		137000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	04/09/2024		198000.0000	*	146182.1148
Calcium, Total	ug/L	MW-1S	10/15/2024		123000.0000		146182.1148
Calcium, Total	ug/L	MW-1S	04/22/2025		184000.0000	*	146182.1148
Calcium, Total	ug/L	MW-26S	03/27/2023		378000.0000	*	146182.1148
Calcium, Total	ug/L	MW-26S	05/04/2023		292000.0000	*	146182.1148
Calcium, Total	ug/L	MW-26S	07/05/2023		236000.0000	*	146182.1148
Calcium, Total	ug/L	MW-26S	10/16/2023		346000.0000	*	146182.1148
Calcium, Total	ug/L	MW-26S	04/03/2024		352000.0000	*	146182.1148

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-26S	10/02/2024		316000.0000	*	146182.1148
Calcium, Total	ug/L	MW-26S	04/03/2025		300000.0000	*	146182.1148
Calcium, Total	ug/L	MW-3S	04/20/2016		123000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	06/01/2016		103000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	08/11/2016		85000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	09/30/2016		78800.0000		146182.1148
Calcium, Total	ug/L	MW-3S	12/02/2016		81500.0000		146182.1148
Calcium, Total	ug/L	MW-3S	01/31/2017		109000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	05/25/2017		110000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	08/11/2017		99000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	09/27/2017		82000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	05/22/2018		75400.0000		146182.1148
Calcium, Total	ug/L	MW-3S	09/11/2018		73100.0000		146182.1148
Calcium, Total	ug/L	MW-3S	05/09/2019		153000.0000	*	146182.1148
Calcium, Total	ug/L	MW-3S	11/13/2019		66600.0000		146182.1148
Calcium, Total	ug/L	MW-3S	05/05/2020		165000.0000	*	146182.1148
Calcium, Total	ug/L	MW-3S	11/10/2020		63500.0000		146182.1148
Calcium, Total	ug/L	MW-3S	05/12/2021		109000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	11/18/2021		112000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	05/11/2022		137000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	11/16/2022		88700.0000		146182.1148
Calcium, Total	ug/L	MW-3S	04/18/2023		138000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	10/09/2023		101000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	04/05/2024		92000.0000		146182.1148
Calcium, Total	ug/L	MW-3S	10/07/2024		93100.0000		146182.1148
Calcium, Total	ug/L	MW-3S	04/18/2025		156000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	04/20/2016		80100.0000		146182.1148
Calcium, Total	ug/L	MW-4S	06/01/2016		77800.0000		146182.1148
Calcium, Total	ug/L	MW-4S	08/11/2016		70800.0000		146182.1148
Calcium, Total	ug/L	MW-4S	09/29/2016		66200.0000		146182.1148

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-4S	12/01/2016		73700.0000		146182.1148
Calcium, Total	ug/L	MW-4S	01/31/2017		78900.0000		146182.1148
Calcium, Total	ug/L	MW-4S	05/25/2017		68600.0000		146182.1148
Calcium, Total	ug/L	MW-4S	08/10/2017		84900.0000		146182.1148
Calcium, Total	ug/L	MW-4S	09/28/2017		72500.0000		146182.1148
Calcium, Total	ug/L	MW-4S	05/22/2018		249000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	09/12/2018		75900.0000		146182.1148
Calcium, Total	ug/L	MW-4S	05/07/2019		214000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	11/13/2019		417000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	05/06/2020		282000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	11/10/2020		419000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	05/21/2021		133000.0000		146182.1148
Calcium, Total	ug/L	MW-4S	11/17/2021		64900.0000		146182.1148
Calcium, Total	ug/L	MW-4S	05/10/2022		145000.0000		146182.1148
Calcium, Total	ug/L	MW-4S	11/28/2022		318000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	04/25/2023		114000.0000		146182.1148
Calcium, Total	ug/L	MW-4S	10/12/2023		495000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	04/09/2024		91100.0000		146182.1148
Calcium, Total	ug/L	MW-4S	10/11/2024		491000.0000	*	146182.1148
Calcium, Total	ug/L	MW-4S	04/14/2025		79400.0000		146182.1148
Calcium, Total	ug/L	MW-6S	04/20/2016		163000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	06/01/2016		152000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	08/11/2016		147000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	09/29/2016		145000.0000		146182.1148
Calcium, Total	ug/L	MW-6S	12/01/2016		158000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	01/30/2017		173000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	05/25/2017		166000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	08/10/2017		152000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	09/27/2017		160000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	05/22/2018		179000.0000	*	146182.1148

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-6S	09/11/2018		138000.0000		146182.1148
Calcium, Total	ug/L	MW-6S	05/08/2019		116000.0000		146182.1148
Calcium, Total	ug/L	MW-6S	11/13/2019		150000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	05/08/2020		168000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	11/19/2020		164000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	05/18/2021		142000.0000		146182.1148
Calcium, Total	ug/L	MW-6S	11/09/2021		142000.0000		146182.1148
Calcium, Total	ug/L	MW-6S	05/11/2022		161000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	05/01/2023		146000.0000		146182.1148
Calcium, Total	ug/L	MW-6S	04/04/2024		144000.0000		146182.1148
Calcium, Total	ug/L	MW-6S	10/03/2024		147000.0000	*	146182.1148
Calcium, Total	ug/L	MW-6S	04/10/2025		73100.0000		146182.1148
Calcium, Total	ug/L	MW-7S	04/20/2016		223000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	06/01/2016		192000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	08/11/2016		182000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	09/29/2016		176000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	12/01/2016		191000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	01/30/2017		189000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	05/25/2017		178000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	08/10/2017		181000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	09/27/2017		176000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	05/23/2018		169000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	09/11/2018		171000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	05/07/2019		179000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	05/07/2020		145000.0000		146182.1148
Calcium, Total	ug/L	MW-7S	11/11/2020		149000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	05/17/2021		233000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	11/18/2021		159000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	05/12/2022		165000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	11/16/2022		252000.0000	*	146182.1148

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-7S	05/03/2023		251000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	10/09/2023		268000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	04/10/2024		423000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	10/15/2024		266000.0000	*	146182.1148
Calcium, Total	ug/L	MW-7S	04/09/2025		248000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	04/20/2016		95500.0000		146182.1148
Calcium, Total	ug/L	MW-8S	05/31/2016		93500.0000		146182.1148
Calcium, Total	ug/L	MW-8S	08/11/2016		74000.0000		146182.1148
Calcium, Total	ug/L	MW-8S	09/29/2016		78400.0000		146182.1148
Calcium, Total	ug/L	MW-8S	12/01/2016		71500.0000		146182.1148
Calcium, Total	ug/L	MW-8S	01/30/2017		76900.0000		146182.1148
Calcium, Total	ug/L	MW-8S	05/25/2017		76400.0000		146182.1148
Calcium, Total	ug/L	MW-8S	08/10/2017		71500.0000		146182.1148
Calcium, Total	ug/L	MW-8S	09/27/2017		74000.0000		146182.1148
Calcium, Total	ug/L	MW-8S	05/22/2018		71300.0000		146182.1148
Calcium, Total	ug/L	MW-8S	09/12/2018		113000.0000		146182.1148
Calcium, Total	ug/L	MW-8S	05/07/2019		181000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	11/13/2019		158000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	05/07/2020		110000.0000		146182.1148
Calcium, Total	ug/L	MW-8S	11/19/2020		255000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	05/12/2021		203000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	11/18/2021		122000.0000		146182.1148
Calcium, Total	ug/L	MW-8S	05/12/2022		174000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	05/03/2023		151000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	04/04/2024		121000.0000		146182.1148
Calcium, Total	ug/L	MW-8S	10/02/2024		254000.0000	*	146182.1148
Calcium, Total	ug/L	MW-8S	04/01/2025		278000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	04/21/2016		129000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	05/31/2016		118000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	08/11/2016		86300.0000		146182.1148

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-9S	09/29/2016		86800.0000		146182.1148
Calcium, Total	ug/L	MW-9S	11/30/2016		75700.0000		146182.1148
Calcium, Total	ug/L	MW-9S	01/30/2017		139000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	05/24/2017		99000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	08/10/2017		130000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	09/27/2017		85400.0000		146182.1148
Calcium, Total	ug/L	MW-9S	05/21/2018		145000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	09/12/2018		132000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	05/07/2019		277000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	11/13/2019		313000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	05/06/2020		227000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	11/10/2020		357000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	05/13/2021		284000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	11/12/2021		106000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	05/12/2022		129000.0000		146182.1148
Calcium, Total	ug/L	MW-9S	05/08/2023		287000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	10/06/2023		504000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	04/04/2024		154000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	10/09/2024		486000.0000	*	146182.1148
Calcium, Total	ug/L	MW-9S	04/01/2025		489000.0000	*	146182.1148
Chloride	mg/L	MW-10S	04/21/2016		140.0000	*	57.1423
Chloride	mg/L	MW-10S	05/31/2016		144.0000	*	57.1423
Chloride	mg/L	MW-10S	08/11/2016		123.0000	*	57.1423
Chloride	mg/L	MW-10S	09/29/2016		105.0000	*	57.1423
Chloride	mg/L	MW-10S	11/30/2016		94.2000	*	57.1423
Chloride	mg/L	MW-10S	01/30/2017		92.5000	*	57.1423
Chloride	mg/L	MW-10S	05/24/2017		79.9000	*	57.1423
Chloride	mg/L	MW-10S	08/09/2017		75.8000	*	57.1423
Chloride	mg/L	MW-10S	09/28/2017		67.4000	*	57.1423
Chloride	mg/L	MW-10S	05/23/2018		79.7000	*	57.1423

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-10S	09/11/2018		90.6000	*	57.1423
Chloride	mg/L	MW-10S	05/07/2019		123.0000	*	57.1423
Chloride	mg/L	MW-10S	05/07/2020		108.0000	*	57.1423
Chloride	mg/L	MW-10S	11/11/2020		109.0000	*	57.1423
Chloride	mg/L	MW-10S	05/21/2021		116.0000	*	57.1423
Chloride	mg/L	MW-10S	11/12/2021		126.0000	*	57.1423
Chloride	mg/L	MW-10S	05/18/2022		112.0000	*	57.1423
Chloride	mg/L	MW-10S	05/04/2023		98.8000	*	57.1423
Chloride	mg/L	MW-10S	04/17/2024		51.9000		57.1423
Chloride	mg/L	MW-10S	04/04/2025		93.7000	*	57.1423
Chloride	mg/L	MW-11S	04/20/2016		160.0000	*	57.1423
Chloride	mg/L	MW-11S	06/02/2016		161.0000	*	57.1423
Chloride	mg/L	MW-11S	08/12/2016		172.0000	*	57.1423
Chloride	mg/L	MW-11S	09/30/2016		174.0000	*	57.1423
Chloride	mg/L	MW-11S	12/01/2016		188.0000	*	57.1423
Chloride	mg/L	MW-11S	01/31/2017		171.0000	*	57.1423
Chloride	mg/L	MW-11S	05/25/2017		180.0000	*	57.1423
Chloride	mg/L	MW-11S	08/10/2017		139.0000	*	57.1423
Chloride	mg/L	MW-11S	09/28/2017		128.0000	*	57.1423
Chloride	mg/L	MW-11S	05/23/2018		51.6000		57.1423
Chloride	mg/L	MW-11S	09/11/2018		78.0000	*	57.1423
Chloride	mg/L	MW-11S	05/08/2019		95.1000	*	57.1423
Chloride	mg/L	MW-11S	05/07/2020		98.5000	*	57.1423
Chloride	mg/L	MW-11S	11/12/2020		87.5000	*	57.1423
Chloride	mg/L	MW-11S	05/17/2021		58.7000	*	57.1423
Chloride	mg/L	MW-11S	11/17/2021		59.8000	*	57.1423
Chloride	mg/L	MW-11S	05/12/2022		59.3000	*	57.1423
Chloride	mg/L	MW-11S	11/21/2022		51.9000		57.1423
Chloride	mg/L	MW-11S	05/02/2023		39.3000		57.1423
Chloride	mg/L	MW-11S	04/09/2024		42.6000		57.1423

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-11S	10/15/2024		92.2000	*	57.1423
Chloride	mg/L	MW-11S	04/03/2025		108.0000	*	57.1423
Chloride	mg/L	MW-1S	04/19/2016		84.6000	*	57.1423
Chloride	mg/L	MW-1S	06/02/2016		146.0000	*	57.1423
Chloride	mg/L	MW-1S	08/10/2016		140.0000	*	57.1423
Chloride	mg/L	MW-1S	09/30/2016		127.0000	*	57.1423
Chloride	mg/L	MW-1S	12/02/2016		135.0000	*	57.1423
Chloride	mg/L	MW-1S	01/31/2017		93.2000	*	57.1423
Chloride	mg/L	MW-1S	05/26/2017		95.3000	*	57.1423
Chloride	mg/L	MW-1S	08/11/2017		130.0000	*	57.1423
Chloride	mg/L	MW-1S	09/28/2017		133.0000	*	57.1423
Chloride	mg/L	MW-1S	05/23/2018		112.0000	*	57.1423
Chloride	mg/L	MW-1S	09/11/2018		127.0000	*	57.1423
Chloride	mg/L	MW-1S	05/08/2019		39.7000		57.1423
Chloride	mg/L	MW-1S	11/14/2019		62.1000	*	57.1423
Chloride	mg/L	MW-1S	05/05/2020		72.1000	*	57.1423
Chloride	mg/L	MW-1S	11/11/2020		60.9000	*	57.1423
Chloride	mg/L	MW-1S	05/25/2021		37.3000		57.1423
Chloride	mg/L	MW-1S	11/09/2021		31.8000		57.1423
Chloride	mg/L	MW-1S	05/10/2022		34.0000		57.1423
Chloride	mg/L	MW-1S	11/22/2022		62.0000	*	57.1423
Chloride	mg/L	MW-1S	04/23/2023		32.6000		57.1423
Chloride	mg/L	MW-1S	10/11/2023	ND	0.2500		57.1423
Chloride	mg/L	MW-1S	04/09/2024		28.7000		57.1423
Chloride	mg/L	MW-1S	10/15/2024		113.0000	*	57.1423
Chloride	mg/L	MW-1S	04/22/2025		65.3000	*	57.1423
Chloride	mg/L	MW-26S	03/27/2023		333.0000	*	57.1423
Chloride	mg/L	MW-26S	05/04/2023		299.0000	*	57.1423
Chloride	mg/L	MW-26S	07/05/2023		205.0000	*	57.1423
Chloride	mg/L	MW-26S	10/16/2023		323.0000	*	57.1423

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-26S	04/03/2024		340.0000	*	57.1423
Chloride	mg/L	MW-26S	10/02/2024		285.0000	*	57.1423
Chloride	mg/L	MW-26S	04/03/2025		327.0000	*	57.1423
Chloride	mg/L	MW-2S	04/19/2016		144.0000	*	57.1423
Chloride	mg/L	MW-2S	06/01/2016		148.0000	*	57.1423
Chloride	mg/L	MW-2S	08/11/2016		140.0000	*	57.1423
Chloride	mg/L	MW-2S	09/30/2016		139.0000	*	57.1423
Chloride	mg/L	MW-2S	12/02/2016		135.0000	*	57.1423
Chloride	mg/L	MW-2S	01/31/2017		134.0000	*	57.1423
Chloride	mg/L	MW-2S	05/26/2017		124.0000	*	57.1423
Chloride	mg/L	MW-2S	08/11/2017		122.0000	*	57.1423
Chloride	mg/L	MW-2S	09/27/2017		135.0000	*	57.1423
Chloride	mg/L	MW-2S	05/22/2018		91.6000	*	57.1423
Chloride	mg/L	MW-2S	09/11/2018		52.8000		57.1423
Chloride	mg/L	MW-2S	05/09/2019		59.7000	*	57.1423
Chloride	mg/L	MW-2S	11/14/2019		66.6000	*	57.1423
Chloride	mg/L	MW-2S	05/08/2020		43.2000		57.1423
Chloride	mg/L	MW-2S	11/11/2020		95.5000	*	57.1423
Chloride	mg/L	MW-2S	05/11/2021		69.3000	*	57.1423
Chloride	mg/L	MW-2S	11/10/2021		59.2000	*	57.1423
Chloride	mg/L	MW-2S	05/11/2022		44.0000		57.1423
Chloride	mg/L	MW-2S	11/15/2022		76.9000	*	57.1423
Chloride	mg/L	MW-2S	04/18/2023		17.9000		57.1423
Chloride	mg/L	MW-2S	10/10/2023		75.8000	*	57.1423
Chloride	mg/L	MW-2S	04/05/2024		128.0000	*	57.1423
Chloride	mg/L	MW-2S	10/07/2024		129.0000	*	57.1423
Chloride	mg/L	MW-2S	04/14/2025		95.1000	*	57.1423
Chloride	mg/L	MW-3S	04/20/2016		90.7000	*	57.1423
Chloride	mg/L	MW-3S	06/01/2016		129.0000	*	57.1423
Chloride	mg/L	MW-3S	08/11/2016		112.0000	*	57.1423

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-3S	09/30/2016		82.4000	*	57.1423
Chloride	mg/L	MW-3S	12/02/2016		82.3000	*	57.1423
Chloride	mg/L	MW-3S	01/31/2017		67.4000	*	57.1423
Chloride	mg/L	MW-3S	05/25/2017		87.4000	*	57.1423
Chloride	mg/L	MW-3S	08/11/2017		78.8000	*	57.1423
Chloride	mg/L	MW-3S	09/27/2017		73.6000	*	57.1423
Chloride	mg/L	MW-3S	05/22/2018		76.6000	*	57.1423
Chloride	mg/L	MW-3S	09/11/2018		96.6000	*	57.1423
Chloride	mg/L	MW-3S	05/09/2019		79.4000	*	57.1423
Chloride	mg/L	MW-3S	11/13/2019		67.3000	*	57.1423
Chloride	mg/L	MW-3S	05/05/2020		153.0000	*	57.1423
Chloride	mg/L	MW-3S	11/10/2020		87.3000	*	57.1423
Chloride	mg/L	MW-3S	05/12/2021		176.0000	*	57.1423
Chloride	mg/L	MW-3S	11/18/2021		116.0000	*	57.1423
Chloride	mg/L	MW-3S	05/11/2022		43.8000		57.1423
Chloride	mg/L	MW-3S	11/16/2022		95.5000	*	57.1423
Chloride	mg/L	MW-3S	04/18/2023		86.3000	*	57.1423
Chloride	mg/L	MW-3S	10/09/2023		119.0000	*	57.1423
Chloride	mg/L	MW-3S	04/05/2024		143.0000	*	57.1423
Chloride	mg/L	MW-3S	10/07/2024		89.4000	*	57.1423
Chloride	mg/L	MW-3S	04/18/2025		51.2000		57.1423
Chloride	mg/L	MW-4S	04/20/2016		70.7000	*	57.1423
Chloride	mg/L	MW-4S	06/01/2016		73.8000	*	57.1423
Chloride	mg/L	MW-4S	08/11/2016		91.8000	*	57.1423
Chloride	mg/L	MW-4S	09/29/2016		79.6000	*	57.1423
Chloride	mg/L	MW-4S	12/01/2016		90.6000	*	57.1423
Chloride	mg/L	MW-4S	01/31/2017		79.0000	*	57.1423
Chloride	mg/L	MW-4S	05/25/2017		80.0000	*	57.1423
Chloride	mg/L	MW-4S	08/10/2017		47.6000		57.1423
Chloride	mg/L	MW-4S	09/28/2017		108.0000	*	57.1423

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-4S	05/22/2018		295.0000	*	57.1423
Chloride	mg/L	MW-4S	09/12/2018		56.9000		57.1423
Chloride	mg/L	MW-4S	05/07/2019		195.0000	*	57.1423
Chloride	mg/L	MW-4S	11/13/2019		357.0000	*	57.1423
Chloride	mg/L	MW-4S	05/06/2020		251.0000	*	57.1423
Chloride	mg/L	MW-4S	11/10/2020		476.0000	*	57.1423
Chloride	mg/L	MW-4S	05/21/2021		145.0000	*	57.1423
Chloride	mg/L	MW-4S	11/17/2021		47.8000		57.1423
Chloride	mg/L	MW-4S	05/10/2022		145.0000	*	57.1423
Chloride	mg/L	MW-4S	11/28/2022		237.0000	*	57.1423
Chloride	mg/L	MW-4S	04/25/2023		122.0000	*	57.1423
Chloride	mg/L	MW-4S	10/12/2023		463.0000	*	57.1423
Chloride	mg/L	MW-4S	04/09/2024		66.0000	*	57.1423
Chloride	mg/L	MW-4S	10/11/2024		498.0000	*	57.1423
Chloride	mg/L	MW-4S	04/14/2025		51.3000		57.1423
Chloride	mg/L	MW-7S	04/20/2016		47.3000		57.1423
Chloride	mg/L	MW-7S	06/01/2016		77.5000	*	57.1423
Chloride	mg/L	MW-7S	08/11/2016		90.8000	*	57.1423
Chloride	mg/L	MW-7S	09/29/2016		79.1000	*	57.1423
Chloride	mg/L	MW-7S	12/01/2016		73.1000	*	57.1423
Chloride	mg/L	MW-7S	01/30/2017		75.0000	*	57.1423
Chloride	mg/L	MW-7S	05/25/2017		62.5000	*	57.1423
Chloride	mg/L	MW-7S	08/10/2017		64.7000	*	57.1423
Chloride	mg/L	MW-7S	09/27/2017		60.5000	*	57.1423
Chloride	mg/L	MW-7S	05/23/2018		51.0000		57.1423
Chloride	mg/L	MW-7S	09/11/2018		82.5000	*	57.1423
Chloride	mg/L	MW-7S	05/07/2019		15.2000		57.1423
Chloride	mg/L	MW-7S	05/07/2020		27.3000		57.1423
Chloride	mg/L	MW-7S	11/11/2020		60.0000	*	57.1423
Chloride	mg/L	MW-7S	05/17/2021		149.0000	*	57.1423

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-7S	11/18/2021		67.6000	*	57.1423
Chloride	mg/L	MW-7S	05/12/2022		30.9000		57.1423
Chloride	mg/L	MW-7S	11/16/2022		174.0000	*	57.1423
Chloride	mg/L	MW-7S	05/03/2023		120.0000	*	57.1423
Chloride	mg/L	MW-7S	10/09/2023		190.0000	*	57.1423
Chloride	mg/L	MW-7S	04/10/2024		332.0000	*	57.1423
Chloride	mg/L	MW-7S	10/15/2024		184.0000	*	57.1423
Chloride	mg/L	MW-7S	04/09/2025		144.0000	*	57.1423
Chloride	mg/L	MW-8S	04/20/2016		52.8000		57.1423
Chloride	mg/L	MW-8S	05/31/2016		64.8000	*	57.1423
Chloride	mg/L	MW-8S	08/11/2016		64.3000	*	57.1423
Chloride	mg/L	MW-8S	09/29/2016		76.1000	*	57.1423
Chloride	mg/L	MW-8S	12/01/2016		73.1000	*	57.1423
Chloride	mg/L	MW-8S	01/30/2017		73.5000	*	57.1423
Chloride	mg/L	MW-8S	05/25/2017		78.5000	*	57.1423
Chloride	mg/L	MW-8S	08/10/2017		60.1000	*	57.1423
Chloride	mg/L	MW-8S	09/27/2017		45.4000		57.1423
Chloride	mg/L	MW-8S	05/22/2018		75.6000	*	57.1423
Chloride	mg/L	MW-8S	09/12/2018		134.0000	*	57.1423
Chloride	mg/L	MW-8S	05/07/2019		153.0000	*	57.1423
Chloride	mg/L	MW-8S	11/13/2019		179.0000	*	57.1423
Chloride	mg/L	MW-8S	05/07/2020		84.3000	*	57.1423
Chloride	mg/L	MW-8S	11/19/2020		291.0000	*	57.1423
Chloride	mg/L	MW-8S	05/12/2021		239.0000	*	57.1423
Chloride	mg/L	MW-8S	11/18/2021		114.0000	*	57.1423
Chloride	mg/L	MW-8S	05/12/2022		140.0000	*	57.1423
Chloride	mg/L	MW-8S	05/03/2023		132.0000	*	57.1423
Chloride	mg/L	MW-8S	04/04/2024		80.4000	*	57.1423
Chloride	mg/L	MW-8S	10/02/2024		281.0000	*	57.1423
Chloride	mg/L	MW-8S	04/01/2025		303.0000	*	57.1423

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-9S	04/21/2016		19.7000		57.1423
Chloride	mg/L	MW-9S	05/31/2016		24.8000		57.1423
Chloride	mg/L	MW-9S	08/11/2016		43.6000		57.1423
Chloride	mg/L	MW-9S	09/29/2016		54.2000		57.1423
Chloride	mg/L	MW-9S	11/30/2016		61.4000	*	57.1423
Chloride	mg/L	MW-9S	01/30/2017		14.9000		57.1423
Chloride	mg/L	MW-9S	05/24/2017		63.4000	*	57.1423
Chloride	mg/L	MW-9S	08/10/2017		30.1000		57.1423
Chloride	mg/L	MW-9S	09/27/2017		43.9000		57.1423
Chloride	mg/L	MW-9S	05/21/2018		130.0000	*	57.1423
Chloride	mg/L	MW-9S	09/12/2018		87.5000	*	57.1423
Chloride	mg/L	MW-9S	05/07/2019		265.0000	*	57.1423
Chloride	mg/L	MW-9S	11/13/2019		277.0000	*	57.1423
Chloride	mg/L	MW-9S	05/06/2020		178.0000	*	57.1423
Chloride	mg/L	MW-9S	11/10/2020		424.0000	*	57.1423
Chloride	mg/L	MW-9S	05/13/2021		283.0000	*	57.1423
Chloride	mg/L	MW-9S	11/12/2021		58.5000	*	57.1423
Chloride	mg/L	MW-9S	05/12/2022		56.4000		57.1423
Chloride	mg/L	MW-9S	05/08/2023		265.0000	*	57.1423
Chloride	mg/L	MW-9S	10/06/2023		567.0000	*	57.1423
Chloride	mg/L	MW-9S	04/04/2024		53.6000		57.1423
Chloride	mg/L	MW-9S	10/09/2024		508.0000	*	57.1423
Chloride	mg/L	MW-9S	04/01/2025		477.0000	*	57.1423
Fluoride	mg/L	MW-10S	04/21/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-10S	05/31/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	08/11/2016		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	09/29/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	11/30/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	01/30/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/24/2017		0.3600	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-10S	08/09/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/28/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	05/23/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/11/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2019		0.2400	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2020		0.3000	*	0.1000
Fluoride	mg/L	MW-10S	11/11/2020		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/21/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-10S	11/12/2021		0.2000	*	0.1000
Fluoride	mg/L	MW-10S	05/18/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/04/2023		0.1900	*	0.1000
Fluoride	mg/L	MW-10S	04/17/2024		0.1300	*	0.1000
Fluoride	mg/L	MW-10S	04/04/2025		0.1900	*	0.1000
Fluoride	mg/L	MW-11S	04/20/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-11S	06/02/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-11S	08/12/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-11S	09/30/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	12/01/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-11S	01/31/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-11S	05/25/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	08/10/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	05/23/2018		0.3000	*	0.1000
Fluoride	mg/L	MW-11S	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11S	05/08/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-11S	05/07/2020		0.2200	*	0.1000
Fluoride	mg/L	MW-11S	11/12/2020		0.2000	*	0.1000
Fluoride	mg/L	MW-11S	05/17/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-11S	11/17/2021		0.1500	*	0.1000
Fluoride	mg/L	MW-11S	05/12/2022		0.1700	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11S	11/21/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-11S	05/02/2023		0.2100	*	0.1000
Fluoride	mg/L	MW-11S	04/09/2024		0.1800	*	0.1000
Fluoride	mg/L	MW-11S	10/15/2024		0.1400	*	0.1000
Fluoride	mg/L	MW-11S	04/03/2025		0.2000	*	0.1000
Fluoride	mg/L	MW-12S	04/20/2016		0.5800	*	0.1000
Fluoride	mg/L	MW-12S	06/01/2016		0.5700	*	0.1000
Fluoride	mg/L	MW-12S	08/11/2016		0.4700	*	0.1000
Fluoride	mg/L	MW-12S	09/29/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-12S	12/01/2016		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	01/30/2017		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	05/25/2017		0.5400	*	0.1000
Fluoride	mg/L	MW-12S	08/10/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-12S	09/27/2017		0.4400	*	0.1000
Fluoride	mg/L	MW-12S	05/23/2018		0.3300	*	0.1000
Fluoride	mg/L	MW-12S	09/12/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2019		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2020		0.2100	*	0.1000
Fluoride	mg/L	MW-12S	11/12/2020		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/13/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	11/10/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-12S	05/12/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-12S	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	04/27/2023		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	10/11/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-12S	04/05/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-12S	10/01/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-12S	04/17/2025		0.2400	*	0.1000
Fluoride	mg/L	MW-1S	04/19/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-1S	06/02/2016		0.5200	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1S	08/10/2016		0.5500	*	0.1000
Fluoride	mg/L	MW-1S	09/30/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-1S	12/02/2016		0.4900	*	0.1000
Fluoride	mg/L	MW-1S	01/31/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-1S	05/26/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	08/11/2017		0.4700	*	0.1000
Fluoride	mg/L	MW-1S	09/28/2017		0.5300	*	0.1000
Fluoride	mg/L	MW-1S	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1S	09/11/2018		0.2500	*	0.1000
Fluoride	mg/L	MW-1S	05/08/2019		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	11/14/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	05/05/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-1S	11/11/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-1S	05/25/2021	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	11/09/2021		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	05/10/2022		0.1200	*	0.1000
Fluoride	mg/L	MW-1S	11/22/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-1S	04/23/2023		0.1700	*	0.1000
Fluoride	mg/L	MW-1S	10/11/2023	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	04/09/2024		0.1100	*	0.1000
Fluoride	mg/L	MW-1S	10/15/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-1S	04/22/2025	ND	0.1000		0.1000
Fluoride	mg/L	MW-26S	03/27/2023		0.1900	*	0.1000
Fluoride	mg/L	MW-26S	05/04/2023		0.3000	*	0.1000
Fluoride	mg/L	MW-26S	07/05/2023		0.3000	*	0.1000
Fluoride	mg/L	MW-26S	10/16/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-26S	04/03/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-26S	10/02/2024		0.3600	*	0.1000
Fluoride	mg/L	MW-26S	04/03/2025		0.4200	*	0.1000
Fluoride	mg/L	MW-2S	04/19/2016		0.4200	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-2S	06/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2016		0.3700	*	0.1000
Fluoride	mg/L	MW-2S	09/30/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	12/02/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-2S	01/31/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-2S	05/26/2017		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2S	09/27/2017		0.2500	*	0.1000
Fluoride	mg/L	MW-2S	05/22/2018		0.2300	*	0.1000
Fluoride	mg/L	MW-2S	09/11/2018		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	05/09/2019		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	11/14/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-2S	05/08/2020		0.1200	*	0.1000
Fluoride	mg/L	MW-2S	11/11/2020		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2021		0.1100	*	0.1000
Fluoride	mg/L	MW-2S	11/10/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2022		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	11/15/2022		0.1400	*	0.1000
Fluoride	mg/L	MW-2S	04/18/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	10/10/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	04/05/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-2S	10/07/2024		0.1900	*	0.1000
Fluoride	mg/L	MW-2S	04/14/2025		0.2200	*	0.1000
Fluoride	mg/L	MW-3S	04/20/2016		0.2600	*	0.1000
Fluoride	mg/L	MW-3S	06/01/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	08/11/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	12/02/2016		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	01/31/2017		0.2400	*	0.1000
Fluoride	mg/L	MW-3S	05/25/2017		0.2500	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-3S	08/11/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	09/27/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3S	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	05/09/2019		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/13/2019		0.3900	*	0.1000
Fluoride	mg/L	MW-3S	05/05/2020		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	11/10/2020		0.3900	*	0.1000
Fluoride	mg/L	MW-3S	05/12/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	11/18/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-3S	05/11/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/16/2022		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	04/18/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	10/09/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	04/05/2024		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	10/07/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	04/18/2025		0.1900	*	0.1000
Fluoride	mg/L	MW-4S	04/20/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-4S	06/01/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-4S	08/11/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	09/29/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	12/01/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	01/31/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-4S	05/25/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-4S	08/10/2017		0.2600	*	0.1000
Fluoride	mg/L	MW-4S	09/28/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	05/22/2018		0.2600	*	0.1000
Fluoride	mg/L	MW-4S	09/12/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-4S	05/07/2019		0.2000	*	0.1000
Fluoride	mg/L	MW-4S	11/13/2019		0.4200	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-4S	05/06/2020		0.5500	*	0.1000
Fluoride	mg/L	MW-4S	11/10/2020		0.4200	*	0.1000
Fluoride	mg/L	MW-4S	05/21/2021		0.3300	*	0.1000
Fluoride	mg/L	MW-4S	11/17/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-4S	05/10/2022		0.2700	*	0.1000
Fluoride	mg/L	MW-4S	11/28/2022		0.3500	*	0.1000
Fluoride	mg/L	MW-4S	04/25/2023		0.2100	*	0.1000
Fluoride	mg/L	MW-4S	10/12/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-4S	04/09/2024		0.2600	*	0.1000
Fluoride	mg/L	MW-4S	10/11/2024		0.4000	*	0.1000
Fluoride	mg/L	MW-4S	04/14/2025		0.3500	*	0.1000
Fluoride	mg/L	MW-6S	04/20/2016		0.2400	*	0.1000
Fluoride	mg/L	MW-6S	06/01/2016		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	08/11/2016		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	09/29/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	12/01/2016		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	01/30/2017		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	05/25/2017		0.2000	*	0.1000
Fluoride	mg/L	MW-6S	08/10/2017		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	09/27/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/22/2018		0.1600	*	0.1000
Fluoride	mg/L	MW-6S	09/11/2018		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/13/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2020		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/19/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	05/18/2021		0.1900	*	0.1000
Fluoride	mg/L	MW-6S	11/09/2021		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	05/11/2022		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	05/01/2023		0.2500	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6S	04/04/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	10/03/2024		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	04/10/2025		0.2900	*	0.1000
Fluoride	mg/L	MW-8S	04/20/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-8S	05/31/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-8S	08/11/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-8S	09/29/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-8S	12/01/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-8S	01/30/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-8S	05/25/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-8S	08/10/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-8S	09/27/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-8S	05/22/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-8S	09/12/2018		0.2400	*	0.1000
Fluoride	mg/L	MW-8S	05/07/2019		0.1900	*	0.1000
Fluoride	mg/L	MW-8S	11/13/2019		0.2800	*	0.1000
Fluoride	mg/L	MW-8S	05/07/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-8S	11/19/2020		0.3000	*	0.1000
Fluoride	mg/L	MW-8S	05/12/2021		0.4400	*	0.1000
Fluoride	mg/L	MW-8S	11/18/2021		0.3900	*	0.1000
Fluoride	mg/L	MW-8S	05/12/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-8S	05/03/2023		0.3000	*	0.1000
Fluoride	mg/L	MW-8S	04/04/2024		0.1400	*	0.1000
Fluoride	mg/L	MW-8S	10/02/2024		0.5700	*	0.1000
Fluoride	mg/L	MW-8S	04/01/2025		0.3700	*	0.1000
Fluoride	mg/L	MW-9S	04/21/2016		0.1600	*	0.1000
Fluoride	mg/L	MW-9S	05/31/2016		0.1500	*	0.1000
Fluoride	mg/L	MW-9S	08/11/2016		0.2300	*	0.1000
Fluoride	mg/L	MW-9S	09/29/2016		0.2400	*	0.1000
Fluoride	mg/L	MW-9S	11/30/2016		0.3600	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-9S	01/30/2017		0.1400	*	0.1000
Fluoride	mg/L	MW-9S	05/24/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-9S	08/10/2017		0.1800	*	0.1000
Fluoride	mg/L	MW-9S	09/27/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-9S	05/21/2018		0.1700	*	0.1000
Fluoride	mg/L	MW-9S	09/12/2018		0.1500	*	0.1000
Fluoride	mg/L	MW-9S	05/07/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-9S	11/13/2019		0.4100	*	0.1000
Fluoride	mg/L	MW-9S	05/06/2020		0.4300	*	0.1000
Fluoride	mg/L	MW-9S	11/10/2020		0.3900	*	0.1000
Fluoride	mg/L	MW-9S	05/13/2021		0.4200	*	0.1000
Fluoride	mg/L	MW-9S	11/12/2021		0.3300	*	0.1000
Fluoride	mg/L	MW-9S	05/12/2022		0.1800	*	0.1000
Fluoride	mg/L	MW-9S	05/08/2023		0.6500	*	0.1000
Fluoride	mg/L	MW-9S	10/06/2023		0.6100	*	0.1000
Fluoride	mg/L	MW-9S	04/04/2024		0.1200	*	0.1000
Fluoride	mg/L	MW-9S	10/09/2024		0.5800	*	0.1000
Fluoride	mg/L	MW-9S	04/01/2025		0.5200	*	0.1000
pH (field)	S.U.	MW-9S	04/21/2016		7.0300		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/31/2016		6.7300		5.87 - 8.01
pH (field)	S.U.	MW-9S	08/11/2016		7.0700		5.87 - 8.01
pH (field)	S.U.	MW-9S	09/29/2016		7.0300		5.87 - 8.01
pH (field)	S.U.	MW-9S	11/30/2016		7.1900		5.87 - 8.01
pH (field)	S.U.	MW-9S	01/30/2017		6.4500		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/24/2017		6.9200		5.87 - 8.01
pH (field)	S.U.	MW-9S	08/10/2017		6.8400		5.87 - 8.01
pH (field)	S.U.	MW-9S	09/27/2017		7.3200		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/21/2018		7.1000		5.87 - 8.01
pH (field)	S.U.	MW-9S	09/12/2018		7.1200		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/07/2019		7.2000		5.87 - 8.01

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
pH (field)	S.U.	MW-9S	11/13/2019		7.1100		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/06/2020		7.2400		5.87 - 8.01
pH (field)	S.U.	MW-9S	11/10/2020		7.1200		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/13/2021		7.0100		5.87 - 8.01
pH (field)	S.U.	MW-9S	11/12/2021		7.4200		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/12/2022		6.7300		5.87 - 8.01
pH (field)	S.U.	MW-9S	05/08/2023		7.7100		5.87 - 8.01
pH (field)	S.U.	MW-9S	10/06/2023		7.8000		5.87 - 8.01
pH (field)	S.U.	MW-9S	04/04/2024		6.9841		5.87 - 8.01
pH (field)	S.U.	MW-9S	10/09/2024		7.3600		5.87 - 8.01
pH (field)	S.U.	MW-9S	04/01/2025		8.0400	*	5.87 - 8.01
Sulfate	mg/L	MW-10S	04/21/2016		401.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/31/2016		288.0000	*	34.3199
Sulfate	mg/L	MW-10S	08/11/2016		231.0000	*	34.3199
Sulfate	mg/L	MW-10S	09/29/2016		354.0000	*	34.3199
Sulfate	mg/L	MW-10S	11/30/2016		225.0000	*	34.3199
Sulfate	mg/L	MW-10S	01/30/2017		241.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/24/2017		192.0000	*	34.3199
Sulfate	mg/L	MW-10S	08/09/2017		182.0000	*	34.3199
Sulfate	mg/L	MW-10S	09/28/2017		103.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/23/2018		217.0000	*	34.3199
Sulfate	mg/L	MW-10S	09/11/2018		239.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/07/2019		341.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/07/2020		452.0000	*	34.3199
Sulfate	mg/L	MW-10S	11/11/2020		472.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/21/2021		395.0000	*	34.3199
Sulfate	mg/L	MW-10S	11/12/2021		443.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/18/2022		478.0000	*	34.3199
Sulfate	mg/L	MW-10S	05/04/2023		409.0000	*	34.3199
Sulfate	mg/L	MW-10S	04/17/2024		301.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-10S	04/04/2025		371.0000	*	34.3199
Sulfate	mg/L	MW-11S	04/20/2016		210.0000	*	34.3199
Sulfate	mg/L	MW-11S	06/02/2016		175.0000	*	34.3199
Sulfate	mg/L	MW-11S	08/12/2016		176.0000	*	34.3199
Sulfate	mg/L	MW-11S	09/30/2016		192.0000	*	34.3199
Sulfate	mg/L	MW-11S	12/01/2016		206.0000	*	34.3199
Sulfate	mg/L	MW-11S	01/31/2017		278.0000	*	34.3199
Sulfate	mg/L	MW-11S	05/25/2017		179.0000	*	34.3199
Sulfate	mg/L	MW-11S	08/10/2017		208.0000	*	34.3199
Sulfate	mg/L	MW-11S	09/28/2017		175.0000	*	34.3199
Sulfate	mg/L	MW-11S	05/23/2018		290.0000	*	34.3199
Sulfate	mg/L	MW-11S	09/11/2018		124.0000	*	34.3199
Sulfate	mg/L	MW-11S	05/08/2019		244.0000	*	34.3199
Sulfate	mg/L	MW-11S	05/07/2020		199.0000	*	34.3199
Sulfate	mg/L	MW-11S	11/12/2020		246.0000	*	34.3199
Sulfate	mg/L	MW-11S	05/17/2021		236.0000	*	34.3199
Sulfate	mg/L	MW-11S	11/17/2021		419.0000	*	34.3199
Sulfate	mg/L	MW-11S	05/12/2022		270.0000	*	34.3199
Sulfate	mg/L	MW-11S	11/21/2022		216.0000	*	34.3199
Sulfate	mg/L	MW-11S	05/02/2023		89.7000	*	34.3199
Sulfate	mg/L	MW-11S	04/09/2024		107.0000	*	34.3199
Sulfate	mg/L	MW-11S	10/15/2024		132.0000	*	34.3199
Sulfate	mg/L	MW-11S	04/03/2025		127.0000	*	34.3199
Sulfate	mg/L	MW-12S	04/20/2016		174.0000	*	34.3199
Sulfate	mg/L	MW-12S	06/01/2016		107.0000	*	34.3199
Sulfate	mg/L	MW-12S	08/11/2016		174.0000	*	34.3199
Sulfate	mg/L	MW-12S	09/29/2016		139.0000	*	34.3199
Sulfate	mg/L	MW-12S	12/01/2016		145.0000	*	34.3199
Sulfate	mg/L	MW-12S	01/30/2017		182.0000	*	34.3199
Sulfate	mg/L	MW-12S	05/25/2017		181.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-12S	08/10/2017		203.0000	*	34.3199
Sulfate	mg/L	MW-12S	09/27/2017		76.2000	*	34.3199
Sulfate	mg/L	MW-12S	05/23/2018		126.0000	*	34.3199
Sulfate	mg/L	MW-12S	09/12/2018		163.0000	*	34.3199
Sulfate	mg/L	MW-12S	05/08/2019		207.0000	*	34.3199
Sulfate	mg/L	MW-12S	05/08/2020		243.0000	*	34.3199
Sulfate	mg/L	MW-12S	11/12/2020		224.0000	*	34.3199
Sulfate	mg/L	MW-12S	05/13/2021		206.0000	*	34.3199
Sulfate	mg/L	MW-12S	11/10/2021		192.0000	*	34.3199
Sulfate	mg/L	MW-12S	05/12/2022		206.0000	*	34.3199
Sulfate	mg/L	MW-12S	11/15/2022		214.0000	*	34.3199
Sulfate	mg/L	MW-12S	04/27/2023		146.0000	*	34.3199
Sulfate	mg/L	MW-12S	10/11/2023		175.0000	*	34.3199
Sulfate	mg/L	MW-12S	04/05/2024		176.0000	*	34.3199
Sulfate	mg/L	MW-12S	10/01/2024		155.0000	*	34.3199
Sulfate	mg/L	MW-12S	04/17/2025		94.3000	*	34.3199
Sulfate	mg/L	MW-1S	04/19/2016		430.0000	*	34.3199
Sulfate	mg/L	MW-1S	06/02/2016		206.0000	*	34.3199
Sulfate	mg/L	MW-1S	08/10/2016		184.0000	*	34.3199
Sulfate	mg/L	MW-1S	09/30/2016		223.0000	*	34.3199
Sulfate	mg/L	MW-1S	12/02/2016		199.0000	*	34.3199
Sulfate	mg/L	MW-1S	01/31/2017		289.0000	*	34.3199
Sulfate	mg/L	MW-1S	05/26/2017		290.0000	*	34.3199
Sulfate	mg/L	MW-1S	08/11/2017		206.0000	*	34.3199
Sulfate	mg/L	MW-1S	09/28/2017		206.0000	*	34.3199
Sulfate	mg/L	MW-1S	05/23/2018		208.0000	*	34.3199
Sulfate	mg/L	MW-1S	09/11/2018		207.0000	*	34.3199
Sulfate	mg/L	MW-1S	05/08/2019		360.0000	*	34.3199
Sulfate	mg/L	MW-1S	11/14/2019		203.0000	*	34.3199
Sulfate	mg/L	MW-1S	05/05/2020		267.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-1S	11/11/2020		197.0000	*	34.3199
Sulfate	mg/L	MW-1S	05/25/2021		254.0000	*	34.3199
Sulfate	mg/L	MW-1S	11/09/2021		262.0000	*	34.3199
Sulfate	mg/L	MW-1S	05/10/2022		330.0000	*	34.3199
Sulfate	mg/L	MW-1S	11/22/2022		113.0000	*	34.3199
Sulfate	mg/L	MW-1S	04/23/2023		177.0000	*	34.3199
Sulfate	mg/L	MW-1S	10/11/2023		104.0000	*	34.3199
Sulfate	mg/L	MW-1S	04/09/2024		197.0000	*	34.3199
Sulfate	mg/L	MW-1S	10/15/2024		105.0000	*	34.3199
Sulfate	mg/L	MW-1S	04/22/2025		168.0000	*	34.3199
Sulfate	mg/L	MW-26S	03/27/2023		1090.0000	*	34.3199
Sulfate	mg/L	MW-26S	05/04/2023		854.0000	*	34.3199
Sulfate	mg/L	MW-26S	07/05/2023		584.0000	*	34.3199
Sulfate	mg/L	MW-26S	10/16/2023		937.0000	*	34.3199
Sulfate	mg/L	MW-26S	04/03/2024		1100.0000	*	34.3199
Sulfate	mg/L	MW-26S	10/02/2024		890.0000	*	34.3199
Sulfate	mg/L	MW-26S	04/03/2025		971.0000	*	34.3199
Sulfate	mg/L	MW-2S	04/19/2016		177.0000	*	34.3199
Sulfate	mg/L	MW-2S	06/01/2016		124.0000	*	34.3199
Sulfate	mg/L	MW-2S	08/11/2016		122.0000	*	34.3199
Sulfate	mg/L	MW-2S	09/30/2016		117.0000	*	34.3199
Sulfate	mg/L	MW-2S	12/02/2016		154.0000	*	34.3199
Sulfate	mg/L	MW-2S	01/31/2017		157.0000	*	34.3199
Sulfate	mg/L	MW-2S	05/26/2017		185.0000	*	34.3199
Sulfate	mg/L	MW-2S	08/11/2017		249.0000	*	34.3199
Sulfate	mg/L	MW-2S	09/27/2017		304.0000	*	34.3199
Sulfate	mg/L	MW-2S	05/22/2018		298.0000	*	34.3199
Sulfate	mg/L	MW-2S	09/11/2018		296.0000	*	34.3199
Sulfate	mg/L	MW-2S	05/09/2019		381.0000	*	34.3199
Sulfate	mg/L	MW-2S	11/14/2019		170.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-2S	05/08/2020		553.0000	*	34.3199
Sulfate	mg/L	MW-2S	11/11/2020		196.0000	*	34.3199
Sulfate	mg/L	MW-2S	05/11/2021		110.0000	*	34.3199
Sulfate	mg/L	MW-2S	11/10/2021		171.0000	*	34.3199
Sulfate	mg/L	MW-2S	05/11/2022		151.0000	*	34.3199
Sulfate	mg/L	MW-2S	11/15/2022		126.0000	*	34.3199
Sulfate	mg/L	MW-2S	04/18/2023		38.8000	*	34.3199
Sulfate	mg/L	MW-2S	10/10/2023		70.5000	*	34.3199
Sulfate	mg/L	MW-2S	04/05/2024		110.0000	*	34.3199
Sulfate	mg/L	MW-2S	10/07/2024		111.0000	*	34.3199
Sulfate	mg/L	MW-2S	04/14/2025		92.8000	*	34.3199
Sulfate	mg/L	MW-3S	04/20/2016		158.0000	*	34.3199
Sulfate	mg/L	MW-3S	06/01/2016		145.0000	*	34.3199
Sulfate	mg/L	MW-3S	08/11/2016		153.0000	*	34.3199
Sulfate	mg/L	MW-3S	09/30/2016		82.4000	*	34.3199
Sulfate	mg/L	MW-3S	12/02/2016		106.0000	*	34.3199
Sulfate	mg/L	MW-3S	01/31/2017		83.6000	*	34.3199
Sulfate	mg/L	MW-3S	05/25/2017		86.8000	*	34.3199
Sulfate	mg/L	MW-3S	08/11/2017		129.0000	*	34.3199
Sulfate	mg/L	MW-3S	09/27/2017		50.4000	*	34.3199
Sulfate	mg/L	MW-3S	05/22/2018		71.8000	*	34.3199
Sulfate	mg/L	MW-3S	09/11/2018		86.7000	*	34.3199
Sulfate	mg/L	MW-3S	05/09/2019		192.0000	*	34.3199
Sulfate	mg/L	MW-3S	11/13/2019		65.3000	*	34.3199
Sulfate	mg/L	MW-3S	05/05/2020		337.0000	*	34.3199
Sulfate	mg/L	MW-3S	11/10/2020		74.0000	*	34.3199
Sulfate	mg/L	MW-3S	05/12/2021		172.0000	*	34.3199
Sulfate	mg/L	MW-3S	11/18/2021		157.0000	*	34.3199
Sulfate	mg/L	MW-3S	05/11/2022		115.0000	*	34.3199
Sulfate	mg/L	MW-3S	11/16/2022		137.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-3S	04/18/2023		117.0000	*	34.3199
Sulfate	mg/L	MW-3S	10/09/2023		135.0000	*	34.3199
Sulfate	mg/L	MW-3S	04/05/2024		162.0000	*	34.3199
Sulfate	mg/L	MW-3S	10/07/2024		130.0000	*	34.3199
Sulfate	mg/L	MW-3S	04/18/2025		95.3000	*	34.3199
Sulfate	mg/L	MW-4S	04/20/2016		58.1000	*	34.3199
Sulfate	mg/L	MW-4S	06/01/2016		51.0000	*	34.3199
Sulfate	mg/L	MW-4S	08/11/2016		70.4000	*	34.3199
Sulfate	mg/L	MW-4S	09/29/2016		81.4000	*	34.3199
Sulfate	mg/L	MW-4S	12/01/2016		108.0000	*	34.3199
Sulfate	mg/L	MW-4S	01/31/2017		78.8000	*	34.3199
Sulfate	mg/L	MW-4S	05/25/2017		59.1000	*	34.3199
Sulfate	mg/L	MW-4S	08/10/2017		53.0000	*	34.3199
Sulfate	mg/L	MW-4S	09/28/2017		79.6000	*	34.3199
Sulfate	mg/L	MW-4S	05/22/2018		832.0000	*	34.3199
Sulfate	mg/L	MW-4S	09/12/2018		51.5000	*	34.3199
Sulfate	mg/L	MW-4S	05/07/2019		535.0000	*	34.3199
Sulfate	mg/L	MW-4S	11/13/2019		1380.0000	*	34.3199
Sulfate	mg/L	MW-4S	05/06/2020		825.0000	*	34.3199
Sulfate	mg/L	MW-4S	11/10/2020		1330.0000	*	34.3199
Sulfate	mg/L	MW-4S	05/21/2021		306.0000	*	34.3199
Sulfate	mg/L	MW-4S	11/17/2021		38.5000	*	34.3199
Sulfate	mg/L	MW-4S	05/10/2022		364.0000	*	34.3199
Sulfate	mg/L	MW-4S	11/28/2022		815.0000	*	34.3199
Sulfate	mg/L	MW-4S	04/25/2023		236.0000	*	34.3199
Sulfate	mg/L	MW-4S	10/12/2023		1490.0000	*	34.3199
Sulfate	mg/L	MW-4S	04/09/2024		142.0000	*	34.3199
Sulfate	mg/L	MW-4S	10/11/2024		1620.0000	*	34.3199
Sulfate	mg/L	MW-4S	04/14/2025		89.6000	*	34.3199
Sulfate	mg/L	MW-6S	04/20/2016		161.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-6S	06/01/2016		106.0000	*	34.3199
Sulfate	mg/L	MW-6S	08/11/2016		132.0000	*	34.3199
Sulfate	mg/L	MW-6S	09/29/2016		160.0000	*	34.3199
Sulfate	mg/L	MW-6S	12/01/2016		195.0000	*	34.3199
Sulfate	mg/L	MW-6S	01/30/2017		211.0000	*	34.3199
Sulfate	mg/L	MW-6S	05/25/2017		198.0000	*	34.3199
Sulfate	mg/L	MW-6S	08/10/2017		166.0000	*	34.3199
Sulfate	mg/L	MW-6S	09/27/2017		194.0000	*	34.3199
Sulfate	mg/L	MW-6S	05/22/2018		234.0000	*	34.3199
Sulfate	mg/L	MW-6S	09/11/2018		146.0000	*	34.3199
Sulfate	mg/L	MW-6S	05/08/2019		92.8000	*	34.3199
Sulfate	mg/L	MW-6S	11/13/2019		229.0000	*	34.3199
Sulfate	mg/L	MW-6S	05/08/2020		244.0000	*	34.3199
Sulfate	mg/L	MW-6S	11/19/2020		245.0000	*	34.3199
Sulfate	mg/L	MW-6S	05/18/2021		209.0000	*	34.3199
Sulfate	mg/L	MW-6S	11/09/2021		2170.0000	*	34.3199
Sulfate	mg/L	MW-6S	05/11/2022		199.0000	*	34.3199
Sulfate	mg/L	MW-6S	05/01/2023		176.0000	*	34.3199
Sulfate	mg/L	MW-6S	04/04/2024		227.0000	*	34.3199
Sulfate	mg/L	MW-6S	10/03/2024		145.0000	*	34.3199
Sulfate	mg/L	MW-6S	04/10/2025		32.2000		34.3199
Sulfate	mg/L	MW-7S	04/20/2016		513.0000	*	34.3199
Sulfate	mg/L	MW-7S	06/01/2016		245.0000	*	34.3199
Sulfate	mg/L	MW-7S	08/11/2016		170.0000	*	34.3199
Sulfate	mg/L	MW-7S	09/29/2016		475.0000	*	34.3199
Sulfate	mg/L	MW-7S	12/01/2016		356.0000	*	34.3199
Sulfate	mg/L	MW-7S	01/30/2017		450.0000	*	34.3199
Sulfate	mg/L	MW-7S	05/25/2017		312.0000	*	34.3199
Sulfate	mg/L	MW-7S	08/10/2017		341.0000	*	34.3199
Sulfate	mg/L	MW-7S	09/27/2017		307.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-7S	05/23/2018		294.0000	*	34.3199
Sulfate	mg/L	MW-7S	09/11/2018		234.0000	*	34.3199
Sulfate	mg/L	MW-7S	05/07/2019		55.6000	*	34.3199
Sulfate	mg/L	MW-7S	05/07/2020		69.1000	*	34.3199
Sulfate	mg/L	MW-7S	11/11/2020		135.0000	*	34.3199
Sulfate	mg/L	MW-7S	05/17/2021		436.0000	*	34.3199
Sulfate	mg/L	MW-7S	11/18/2021		148.0000	*	34.3199
Sulfate	mg/L	MW-7S	05/12/2022		150.0000	*	34.3199
Sulfate	mg/L	MW-7S	11/16/2022		527.0000	*	34.3199
Sulfate	mg/L	MW-7S	05/03/2023		439.0000	*	34.3199
Sulfate	mg/L	MW-7S	10/09/2023		563.0000	*	34.3199
Sulfate	mg/L	MW-7S	04/10/2024		1190.0000	*	34.3199
Sulfate	mg/L	MW-7S	10/15/2024		530.0000	*	34.3199
Sulfate	mg/L	MW-7S	04/09/2025		471.0000	*	34.3199
Sulfate	mg/L	MW-8S	04/20/2016		68.2000	*	34.3199
Sulfate	mg/L	MW-8S	05/31/2016		67.0000	*	34.3199
Sulfate	mg/L	MW-8S	08/11/2016		52.8000	*	34.3199
Sulfate	mg/L	MW-8S	09/29/2016		56.0000	*	34.3199
Sulfate	mg/L	MW-8S	12/01/2016		64.3000	*	34.3199
Sulfate	mg/L	MW-8S	01/30/2017		86.0000	*	34.3199
Sulfate	mg/L	MW-8S	05/25/2017		55.9000	*	34.3199
Sulfate	mg/L	MW-8S	08/10/2017		49.4000	*	34.3199
Sulfate	mg/L	MW-8S	09/27/2017		33.9000		34.3199
Sulfate	mg/L	MW-8S	05/22/2018		75.2000	*	34.3199
Sulfate	mg/L	MW-8S	09/12/2018		284.0000	*	34.3199
Sulfate	mg/L	MW-8S	05/07/2019		407.0000	*	34.3199
Sulfate	mg/L	MW-8S	11/13/2019		391.0000	*	34.3199
Sulfate	mg/L	MW-8S	05/07/2020		173.0000	*	34.3199
Sulfate	mg/L	MW-8S	11/19/2020		781.0000	*	34.3199
Sulfate	mg/L	MW-8S	05/12/2021		533.0000	*	34.3199

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-8S	11/18/2021		203.0000	*	34.3199
Sulfate	mg/L	MW-8S	05/12/2022		405.0000	*	34.3199
Sulfate	mg/L	MW-8S	05/03/2023		314.0000	*	34.3199
Sulfate	mg/L	MW-8S	04/04/2024		271.0000	*	34.3199
Sulfate	mg/L	MW-8S	10/02/2024		696.0000	*	34.3199
Sulfate	mg/L	MW-8S	04/01/2025		846.0000	*	34.3199
Sulfate	mg/L	MW-9S	04/21/2016		75.0000	*	34.3199
Sulfate	mg/L	MW-9S	05/31/2016		56.7000	*	34.3199
Sulfate	mg/L	MW-9S	08/11/2016		51.8000	*	34.3199
Sulfate	mg/L	MW-9S	09/29/2016		59.8000	*	34.3199
Sulfate	mg/L	MW-9S	11/30/2016		53.0000	*	34.3199
Sulfate	mg/L	MW-9S	01/30/2017		114.0000	*	34.3199
Sulfate	mg/L	MW-9S	05/24/2017		59.1000	*	34.3199
Sulfate	mg/L	MW-9S	08/10/2017		80.7000	*	34.3199
Sulfate	mg/L	MW-9S	09/27/2017		38.1000	*	34.3199
Sulfate	mg/L	MW-9S	05/21/2018		275.0000	*	34.3199
Sulfate	mg/L	MW-9S	09/12/2018		243.0000	*	34.3199
Sulfate	mg/L	MW-9S	05/07/2019		826.0000	*	34.3199
Sulfate	mg/L	MW-9S	11/13/2019		944.0000	*	34.3199
Sulfate	mg/L	MW-9S	05/06/2020		607.0000	*	34.3199
Sulfate	mg/L	MW-9S	11/10/2020		1070.0000	*	34.3199
Sulfate	mg/L	MW-9S	05/13/2021		800.0000	*	34.3199
Sulfate	mg/L	MW-9S	11/12/2021		155.0000	*	34.3199
Sulfate	mg/L	MW-9S	05/12/2022		197.0000	*	34.3199
Sulfate	mg/L	MW-9S	05/08/2023		877.0000	*	34.3199
Sulfate	mg/L	MW-9S	10/06/2023		1770.0000	*	34.3199
Sulfate	mg/L	MW-9S	04/04/2024		202.0000	*	34.3199
Sulfate	mg/L	MW-9S	10/09/2024		1590.0000	*	34.3199
Sulfate	mg/L	MW-9S	04/01/2025		1610.0000	*	34.3199
Total Dissolved Solids	mg/L	MW-10S	04/21/2016		926.0000	*	582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-10S	05/31/2016		369.0000		582.4955
Total Dissolved Solids	mg/L	MW-10S	08/11/2016		819.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	09/29/2016		786.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	11/30/2016		737.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	01/30/2017		697.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	05/24/2017		731.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	08/09/2017		680.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	09/28/2017		665.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	05/23/2018		746.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	09/11/2018		749.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	05/07/2019		995.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	05/07/2020		1160.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	11/11/2020		1220.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	05/21/2021		1030.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	11/12/2021		1140.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	05/18/2022		1310.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	05/04/2023		1040.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	04/17/2024		880.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-10S	04/04/2025		996.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	04/20/2016		762.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	06/02/2016		711.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	08/12/2016		611.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	09/30/2016		679.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	12/01/2016		640.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	01/31/2017		792.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	05/25/2017		744.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	08/10/2017		727.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	09/28/2017		668.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	05/23/2018		616.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	09/11/2018		570.0000		582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-11S	05/08/2019		793.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	05/07/2020		768.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	11/12/2020		844.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	05/17/2021		808.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	11/17/2021		1080.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	05/12/2022		872.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	11/21/2022		878.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	05/02/2023		488.0000		582.4955
Total Dissolved Solids	mg/L	MW-11S	04/09/2024		484.0000		582.4955
Total Dissolved Solids	mg/L	MW-11S	10/15/2024		772.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-11S	04/03/2025		693.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	04/20/2016		702.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	06/01/2016		660.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	08/11/2016		645.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	09/29/2016		594.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	12/01/2016		614.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	01/30/2017		592.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	05/25/2017		688.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	08/10/2017		764.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	09/27/2017		548.0000		582.4955
Total Dissolved Solids	mg/L	MW-12S	05/23/2018		794.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	09/12/2018		710.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	05/08/2019		711.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	05/08/2020		783.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	11/12/2020		732.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	05/13/2021		722.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	11/10/2021		775.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	05/12/2022		714.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	11/15/2022		760.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	04/27/2023		643.0000	*	582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-12S	10/11/2023		760.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	04/05/2024		746.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	10/01/2024		802.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-12S	04/17/2025		585.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	04/19/2016		999.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	06/02/2016		756.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	08/10/2016		718.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	09/30/2016		762.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	12/02/2016		693.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	01/31/2017		953.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	05/26/2017		915.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	08/11/2017		778.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	09/28/2017		773.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	05/23/2018		775.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	09/11/2018		773.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	05/08/2019		1040.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	11/14/2019		797.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	05/05/2020		879.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	11/11/2020		815.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	05/25/2021		934.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	11/09/2021		950.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	05/10/2022		1020.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	11/22/2022		756.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	04/23/2023		840.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	10/11/2023		708.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	04/09/2024		788.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	10/15/2024		705.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-1S	04/22/2025		856.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-26S	03/27/2023		2450.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-26S	05/04/2023		1950.0000	*	582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-26S	07/05/2023		1570.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-26S	10/16/2023		2340.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-26S	04/03/2024		2400.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-26S	10/02/2024		1990.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-26S	04/03/2025		2090.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	04/19/2016		649.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	06/01/2016		544.0000		582.4955
Total Dissolved Solids	mg/L	MW-2S	08/11/2016		571.0000		582.4955
Total Dissolved Solids	mg/L	MW-2S	09/30/2016		583.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	12/02/2016		707.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	01/31/2017		599.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	05/26/2017		656.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	08/11/2017		749.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	09/27/2017		873.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	05/22/2018		894.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	09/11/2018		812.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	05/09/2019		1060.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	11/14/2019		817.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	05/08/2020		1280.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	11/11/2020		802.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	05/11/2021		685.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	11/10/2021		800.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	05/11/2022		748.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	11/15/2022		770.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	04/18/2023		607.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	10/10/2023		605.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	04/05/2024		666.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	10/07/2024		670.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-2S	04/14/2025		698.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	04/20/2016		3240.0000	*	582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-3S	06/01/2016		632.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	08/11/2016		632.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	09/30/2016		511.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	12/02/2016		493.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	01/31/2017		526.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	05/25/2017		559.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	08/11/2017		580.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	09/27/2017		491.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	05/22/2018		491.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	09/11/2018		515.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	05/09/2019		749.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	11/13/2019		367.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	05/05/2020		942.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	11/10/2020		423.0000		582.4955
Total Dissolved Solids	mg/L	MW-3S	05/12/2021		692.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	11/18/2021		724.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	05/11/2022		671.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	11/16/2022		610.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	04/18/2023		676.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	10/09/2023		615.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	04/05/2024		680.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	10/07/2024		583.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-3S	04/18/2025		719.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	04/20/2016		584.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	06/01/2016		403.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	08/11/2016		452.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	09/29/2016		433.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	12/01/2016		495.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	01/31/2017		452.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	05/25/2017		423.0000		582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-4S	08/10/2017		427.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	09/28/2017		583.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	05/22/2018		1860.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	09/12/2018		412.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	05/07/2019		1390.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	11/13/2019		2800.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	05/06/2020		1800.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	11/10/2020		2830.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	05/21/2021		858.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	11/17/2021		327.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	05/10/2022		878.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	11/28/2022		1820.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	04/25/2023		658.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	10/12/2023		3640.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	04/09/2024		468.0000		582.4955
Total Dissolved Solids	mg/L	MW-4S	10/11/2024		3430.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-4S	04/14/2025		437.0000		582.4955
Total Dissolved Solids	mg/L	MW-6S	04/20/2016		735.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	06/01/2016		670.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	08/11/2016		707.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	09/29/2016		775.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	12/01/2016		798.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	01/30/2017		857.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	05/25/2017		801.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	08/10/2017		726.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	09/27/2017		832.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	05/22/2018		900.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	09/11/2018		745.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	05/08/2019		499.0000		582.4955
Total Dissolved Solids	mg/L	MW-6S	11/13/2019		805.0000	*	582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-6S	05/08/2020		891.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	11/19/2020		848.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	05/18/2021		898.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	11/09/2021		726.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	05/11/2022		768.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	05/01/2023		721.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	04/04/2024		744.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	10/03/2024		654.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-6S	04/10/2025		298.0000		582.4955
Total Dissolved Solids	mg/L	MW-7S	04/20/2016		975.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	06/01/2016		874.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	08/11/2016		934.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	09/29/2016		998.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	12/01/2016		1000.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	01/30/2017		1050.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	05/25/2017		945.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	08/10/2017		935.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	09/27/2017		953.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	05/23/2018		836.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	09/11/2018		845.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	05/07/2019		656.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	05/07/2020		587.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	11/11/2020		668.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	05/17/2021		1270.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	11/18/2021		745.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	05/12/2022		735.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	11/16/2022		1320.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	05/03/2023		1240.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	10/09/2023		1430.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	04/10/2024		2590.0000	*	582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-7S	10/15/2024		1390.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-7S	04/09/2025		1300.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	04/20/2016		438.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	05/31/2016		452.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	08/11/2016		405.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	09/29/2016		419.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	12/01/2016		414.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	01/30/2017		412.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	05/25/2017		454.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	08/10/2017		413.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	09/27/2017		384.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	05/22/2018		474.0000		582.4955
Total Dissolved Solids	mg/L	MW-8S	09/12/2018		828.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	05/07/2019		1160.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	11/13/2019		1170.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	05/07/2020		612.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	11/19/2020		1810.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	05/12/2021		1410.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	11/18/2021		774.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	05/12/2022		1100.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	05/03/2023		932.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	04/04/2024		649.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	10/02/2024		1670.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-8S	04/01/2025		1840.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	04/21/2016		494.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	05/31/2016		435.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	08/11/2016		422.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	09/29/2016		433.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	11/30/2016		402.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	01/30/2017		536.0000		582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-9S	05/24/2017		476.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	08/10/2017		555.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	09/27/2017		414.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	05/21/2018		909.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	09/12/2018		825.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	05/07/2019		1900.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	11/13/2019		1960.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	05/06/2020		1410.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	11/10/2020		2290.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	05/13/2021		1840.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	11/12/2021		567.0000		582.4955
Total Dissolved Solids	mg/L	MW-9S	05/12/2022		667.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	05/08/2023		1940.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	10/06/2023		3500.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	04/04/2024		708.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	10/09/2024		3060.0000	*	582.4955
Total Dissolved Solids	mg/L	MW-9S	04/01/2025		3410.0000	*	582.4955

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13S	09/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13S	05/07/2020	ND	6.0000	1.0000	**
Antimony, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Antimony, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13S	11/18/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13S	04/04/2025	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	09/25/2019		5.8000		
Arsenic, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Arsenic, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	11/18/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13S	04/04/2025	ND	1.0000		
Barium, Total	ug/L	MW-13S	08/08/2019		50.0000		
Barium, Total	ug/L	MW-13S	09/25/2019		69.3000		
Barium, Total	ug/L	MW-13S	05/07/2020		56.4000		
Barium, Total	ug/L	MW-13S	11/12/2020		44.5000		
Barium, Total	ug/L	MW-13S	02/25/2021		53.3000		
Barium, Total	ug/L	MW-13S	03/29/2021		60.3000		
Barium, Total	ug/L	MW-13S	05/20/2021		51.0000		
Barium, Total	ug/L	MW-13S	06/22/2021		44.5000		
Barium, Total	ug/L	MW-13S	07/27/2021		48.3000		
Barium, Total	ug/L	MW-13S	11/16/2021		50.4000		
Barium, Total	ug/L	MW-13S	05/19/2022		58.6000		
Barium, Total	ug/L	MW-13S	11/18/2022		52.6000		
Barium, Total	ug/L	MW-13S	04/18/2023		50.7000		
Barium, Total	ug/L	MW-13S	10/11/2023		54.1000		
Barium, Total	ug/L	MW-13S	04/10/2024		44.5000		
Barium, Total	ug/L	MW-13S	10/04/2024		45.8000		
Barium, Total	ug/L	MW-13S	04/04/2025		46.2000		
Beryllium, Total	ug/L	MW-13S	08/08/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	09/25/2019	ND	0.2000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, Total	ug/L	MW-13S	05/07/2020	ND	4.0000	0.2000	**
Beryllium, Total	ug/L	MW-13S	11/12/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	02/25/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	03/29/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	05/20/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	06/22/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	07/27/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	05/19/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	04/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	04/10/2024	ND	0.2000		
Beryllium, Total	ug/L	MW-13S	04/04/2025	ND	0.2000		
Boron, Total	ug/L	MW-13S	08/08/2019	ND	100.0000		
Boron, Total	ug/L	MW-13S	09/25/2019	ND	100.0000		
Boron, Total	ug/L	MW-13S	05/07/2020	ND	100.0000		
Boron, Total	ug/L	MW-13S	11/12/2020	ND	100.0000		
Boron, Total	ug/L	MW-13S	02/25/2021	ND	100.0000		
Boron, Total	ug/L	MW-13S	03/29/2021	ND	100.0000		
Boron, Total	ug/L	MW-13S	05/20/2021	ND	100.0000		
Boron, Total	ug/L	MW-13S	06/22/2021	ND	100.0000		
Boron, Total	ug/L	MW-13S	07/27/2021	ND	100.0000		
Boron, Total	ug/L	MW-13S	11/16/2021	ND	100.0000		
Boron, Total	ug/L	MW-13S	05/19/2022	ND	100.0000		
Boron, Total	ug/L	MW-13S	11/18/2022	ND	100.0000		
Boron, Total	ug/L	MW-13S	04/18/2023	ND	100.0000		
Boron, Total	ug/L	MW-13S	10/11/2023	ND	100.0000		
Boron, Total	ug/L	MW-13S	04/10/2024	ND	100.0000		
Boron, Total	ug/L	MW-13S	10/04/2024	ND	100.0000		
Boron, Total	ug/L	MW-13S	04/04/2025	ND	100.0000		
Cadmium, Total	ug/L	MW-13S	08/08/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	09/25/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	05/07/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	11/12/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	02/25/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	03/29/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	05/20/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	06/22/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	07/27/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	05/19/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	04/18/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	04/10/2024	ND	2.0000		
Cadmium, Total	ug/L	MW-13S	04/04/2025	ND	2.0000		
Chromium, Total	ug/L	MW-13S	08/08/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13S	09/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13S	05/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13S	11/12/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13S	02/25/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	03/29/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	05/20/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	06/22/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	07/27/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13S	05/19/2022	ND	10.0000		
Chromium, Total	ug/L	MW-13S	04/18/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13S	04/10/2024	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, Total	ug/L	MW-13S	04/04/2025	ND	10.0000		
Cobalt, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	09/25/2019		5.8000		
Cobalt, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Cobalt, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13S	04/04/2025	ND	1.0000		
Fluoride	mg/L	MW-13S	08/08/2019	ND	0.1000		
Fluoride	mg/L	MW-13S	09/25/2019	ND	0.1000		
Fluoride	mg/L	MW-13S	05/07/2020	ND	0.1000		
Fluoride	mg/L	MW-13S	11/12/2020	ND	0.1000		
Fluoride	mg/L	MW-13S	02/25/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	03/29/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	05/20/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	06/22/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	07/27/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	11/16/2021	ND	0.1000		
Fluoride	mg/L	MW-13S	05/19/2022	ND	0.1000		
Fluoride	mg/L	MW-13S	11/18/2022	ND	0.1000		
Fluoride	mg/L	MW-13S	04/18/2023	ND	0.1000		
Fluoride	mg/L	MW-13S	10/11/2023	ND	0.1000		
Fluoride	mg/L	MW-13S	04/10/2024	ND	0.1000		
Fluoride	mg/L	MW-13S	10/04/2024	ND	0.1000		
Fluoride	mg/L	MW-13S	04/04/2025	ND	0.1000		
Lead, Total	ug/L	MW-13S	08/08/2019	ND	10.0000		
Lead, Total	ug/L	MW-13S	09/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-13S	05/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-13S	11/12/2020	ND	10.0000		
Lead, Total	ug/L	MW-13S	02/25/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	03/29/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	05/20/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	06/22/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	07/27/2021	ND	10.0000		
Lead, Total	ug/L	MW-13S	05/19/2022	ND	10.0000		
Lead, Total	ug/L	MW-13S	04/18/2023	ND	10.0000		
Lead, Total	ug/L	MW-13S	04/10/2024	ND	10.0000		
Lead, Total	ug/L	MW-13S	10/04/2024	ND	10.0000		
Lead, Total	ug/L	MW-13S	04/04/2025	ND	10.0000		
Lithium, Total	ug/L	MW-13S	08/08/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13S	09/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13S	05/07/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13S	11/12/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13S	02/25/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lithium, Total	ug/L	MW-13S	03/29/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	05/20/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	06/22/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	07/27/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	11/16/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13S	05/19/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13S	11/18/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13S	04/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13S	10/11/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13S	04/10/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13S	10/04/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13S	04/04/2025	ND	20.0000		
Mercury	ug/L	MW-13S	08/08/2019	ND	2.0000		
Mercury	ug/L	MW-13S	09/25/2019	ND	2.0000		
Mercury	ug/L	MW-13S	11/12/2020	ND	2.0000		
Mercury	ug/L	MW-13S	02/25/2021	ND	2.0000		
Mercury	ug/L	MW-13S	03/29/2021	ND	2.0000		
Mercury	ug/L	MW-13S	05/20/2021	ND	2.0000		
Mercury	ug/L	MW-13S	06/22/2021	ND	2.0000		
Mercury	ug/L	MW-13S	07/27/2021	ND	2.0000		
Mercury	ug/L	MW-13S	05/19/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13S	04/18/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13S	04/10/2024	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13S	04/04/2025	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-13S	08/08/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	09/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	05/07/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	11/12/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	02/25/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	03/29/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	05/20/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	06/22/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	07/27/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	11/16/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	05/19/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	11/18/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	04/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	10/11/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	04/10/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	10/04/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13S	04/04/2025	ND	10.0000		
Selenium, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13S	09/25/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Selenium, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Selenium, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	11/16/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13S	11/18/2022	ND	1.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13S	10/11/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Selenium, Total	ug/L	MW-13S	10/04/2024	ND	1.0000		
Selenium, Total	ug/L	MW-13S	04/04/2025	ND	1.0000		
Thallium, Total	ug/L	MW-13S	08/08/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13S	09/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13S	05/07/2020	ND	10.0000	1.0000	**
Thallium, Total	ug/L	MW-13S	11/12/2020	ND	1.0000		
Thallium, Total	ug/L	MW-13S	02/25/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	03/29/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	05/20/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	06/22/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	07/27/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13S	05/19/2022	ND	1.0000		
Thallium, Total	ug/L	MW-13S	04/18/2023	ND	1.0000		
Thallium, Total	ug/L	MW-13S	04/10/2024	ND	1.0000		
Thallium, Total	ug/L	MW-13S	04/04/2025	ND	1.0000		
Total Radium	pCi/L	MW-13S	08/08/2019		0.4940		
Total Radium	pCi/L	MW-13S	09/25/2019		1.7800		
Total Radium	pCi/L	MW-13S	11/12/2020		1.1700		
Total Radium	pCi/L	MW-13S	02/25/2021		0.8130		
Total Radium	pCi/L	MW-13S	03/29/2021	ND	1.6500		
Total Radium	pCi/L	MW-13S	05/20/2021	ND	2.1500	1.6500	**
Total Radium	pCi/L	MW-13S	06/22/2021		0.7480		
Total Radium	pCi/L	MW-13S	07/27/2021	ND	1.1900	1.6500	**
Total Radium	pCi/L	MW-13S	11/16/2021	ND	1.2200	1.6500	**
Total Radium	pCi/L	MW-13S	05/19/2022	ND	2.0300	1.6500	**
Total Radium	pCi/L	MW-13S	11/18/2022	ND	1.3900	1.6500	**
Total Radium	pCi/L	MW-13S	04/18/2023	ND	1.0600	1.6500	**
Total Radium	pCi/L	MW-13S	10/11/2023		0.9600		
Total Radium	pCi/L	MW-13S	04/10/2024	ND	1.6700	1.6500	**
Total Radium	pCi/L	MW-13S	10/04/2024	ND	1.8000	1.6500	**
Total Radium	pCi/L	MW-13S	04/04/2025	ND	1.6700	1.6500	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10S	04/04/2025		2.2000	***	1.0000
Antimony, Total	ug/L	MW-11S	04/03/2025		1.4000	***	1.0000
Antimony, Total	ug/L	MW-12S	04/17/2025		1.3000	***	1.0000
Antimony, Total	ug/L	MW-1S	04/22/2025		1.2000	***	1.0000
Antimony, Total	ug/L	MW-26S	04/03/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2S	04/14/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-3S	04/18/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-4S	04/14/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	04/10/2025	ND	1.0000	**	1.0000
Antimony, Total	ug/L	MW-7S	04/09/2025		2.2000	***	1.0000
Antimony, Total	ug/L	MW-8S	04/01/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9S	04/01/2025	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-10S	04/04/2025	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-11S	04/03/2025		44.6000	***	5.8000
Arsenic, Total	ug/L	MW-12S	04/17/2025		1.6000		5.8000
Arsenic, Total	ug/L	MW-1S	04/22/2025		3.0000		5.8000
Arsenic, Total	ug/L	MW-26S	04/03/2025	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-2S	04/14/2025		11.8000	*	5.8000
Arsenic, Total	ug/L	MW-3S	04/18/2025	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-4S	04/14/2025		2.6000	**	5.8000
Arsenic, Total	ug/L	MW-6S	04/10/2025	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-7S	04/09/2025	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-8S	04/01/2025		3.8000		5.8000
Arsenic, Total	ug/L	MW-9S	04/01/2025		14.8000	***	5.8000
Barium, Total	ug/L	MW-10S	04/04/2025		72.4000	***	69.3736
Barium, Total	ug/L	MW-11S	04/03/2025		114.0000	***	69.3736
Barium, Total	ug/L	MW-12S	04/17/2025		114.0000	***	69.3736
Barium, Total	ug/L	MW-1S	04/22/2025		63.6000	**	69.3736
Barium, Total	ug/L	MW-26S	04/03/2025		37.9000		69.3736
Barium, Total	ug/L	MW-2S	04/14/2025		119.0000	***	69.3736
Barium, Total	ug/L	MW-3S	04/18/2025		121.0000	***	69.3736
Barium, Total	ug/L	MW-4S	04/14/2025		54.8000	**	69.3736
Barium, Total	ug/L	MW-6S	04/10/2025		33.0000	**	69.3736
Barium, Total	ug/L	MW-7S	04/09/2025		87.9000	*	69.3736
Barium, Total	ug/L	MW-8S	04/01/2025		113.0000	***	69.3736
Barium, Total	ug/L	MW-9S	04/01/2025		172.0000	***	69.3736
Beryllium, Total	ug/L	MW-10S	04/04/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11S	04/03/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12S	04/17/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1S	04/22/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-26S	04/03/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2S	04/14/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-3S	04/18/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-4S	04/14/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6S	04/10/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-7S	04/09/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-8S	04/01/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9S	04/01/2025	ND	0.2000		0.2000
Boron, Total	ug/L	MW-10S	04/04/2025		4850.0000	***	100.0000
Boron, Total	ug/L	MW-11S	04/03/2025		998.0000	***	100.0000
Boron, Total	ug/L	MW-12S	04/17/2025		3090.0000	***	100.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-1S	04/22/2025		2050.0000	***	100.0000
Boron, Total	ug/L	MW-26S	04/03/2025		3010.0000	***	100.0000
Boron, Total	ug/L	MW-2S	04/14/2025		456.0000	***	100.0000
Boron, Total	ug/L	MW-3S	04/18/2025		762.0000	***	100.0000
Boron, Total	ug/L	MW-4S	04/14/2025		541.0000	***	100.0000
Boron, Total	ug/L	MW-6S	04/10/2025		488.0000	***	100.0000
Boron, Total	ug/L	MW-7S	04/09/2025		2550.0000	***	100.0000
Boron, Total	ug/L	MW-8S	04/01/2025		2360.0000	***	100.0000
Boron, Total	ug/L	MW-9S	04/01/2025		4870.0000	***	100.0000
Cadmium, Total	ug/L	MW-10S	04/04/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-11S	04/03/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12S	04/17/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1S	04/22/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-26S	04/03/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2S	04/14/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-3S	04/18/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-4S	04/14/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6S	04/10/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-7S	04/09/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-8S	04/01/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9S	04/01/2025	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10S	04/04/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11S	04/03/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12S	04/17/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1S	04/22/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-26S	04/03/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2S	04/14/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-3S	04/18/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-4S	04/14/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6S	04/10/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-7S	04/09/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-8S	04/01/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9S	04/01/2025	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10S	04/04/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-11S	04/03/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-12S	04/17/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-1S	04/22/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-26S	04/03/2025		2.4000		5.8000
Cobalt, Total	ug/L	MW-2S	04/14/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-3S	04/18/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-4S	04/14/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-6S	04/10/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-7S	04/09/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-8S	04/01/2025	ND	1.0000		5.8000
Cobalt, Total	ug/L	MW-9S	04/01/2025	ND	1.0000		5.8000
Fluoride	mg/L	MW-10S	04/04/2025		0.1900	***	0.1000
Fluoride	mg/L	MW-11S	04/03/2025		0.2000	***	0.1000
Fluoride	mg/L	MW-12S	04/17/2025		0.2400	***	0.1000
Fluoride	mg/L	MW-1S	04/22/2025	ND	0.1000	**	0.1000
Fluoride	mg/L	MW-26S	04/03/2025		0.4200	***	0.1000
Fluoride	mg/L	MW-2S	04/14/2025		0.2200	***	0.1000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-3S	04/18/2025		0.1900	***	0.1000
Fluoride	mg/L	MW-4S	04/14/2025		0.3500	***	0.1000
Fluoride	mg/L	MW-6S	04/10/2025		0.2900	***	0.1000
Fluoride	mg/L	MW-7S	04/09/2025	ND	0.1000		0.1000
Fluoride	mg/L	MW-8S	04/01/2025		0.3700	***	0.1000
Fluoride	mg/L	MW-9S	04/01/2025		0.5200	***	0.1000
Lead, Total	ug/L	MW-10S	04/04/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11S	04/03/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12S	04/17/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1S	04/22/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-26S	04/03/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2S	04/14/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-3S	04/18/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-4S	04/14/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6S	04/10/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-7S	04/09/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-8S	04/01/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9S	04/01/2025	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10S	04/04/2025		95.3000	***	20.0000
Lithium, Total	ug/L	MW-11S	04/03/2025		82.2000	***	20.0000
Lithium, Total	ug/L	MW-12S	04/17/2025		95.5000	***	20.0000
Lithium, Total	ug/L	MW-1S	04/22/2025		65.4000	***	20.0000
Lithium, Total	ug/L	MW-26S	04/03/2025		99.9000	***	20.0000
Lithium, Total	ug/L	MW-2S	04/14/2025	ND	20.0000	**	20.0000
Lithium, Total	ug/L	MW-3S	04/18/2025		20.0000	*	20.0000
Lithium, Total	ug/L	MW-4S	04/14/2025	ND	20.0000	**	20.0000
Lithium, Total	ug/L	MW-6S	04/10/2025		21.2000	***	20.0000
Lithium, Total	ug/L	MW-7S	04/09/2025		62.1000	***	20.0000
Lithium, Total	ug/L	MW-8S	04/01/2025		71.7000	***	20.0000
Lithium, Total	ug/L	MW-9S	04/01/2025		155.0000	***	20.0000
Mercury	ug/L	MW-10S	04/04/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-11S	04/03/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-12S	04/17/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-1S	04/22/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-26S	04/03/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-2S	04/14/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-3S	04/18/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-4S	04/14/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-6S	04/10/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-7S	04/09/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-8S	04/01/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-9S	04/01/2025	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10S	04/04/2025		49.5000	***	10.0000
Molybdenum, Total	ug/L	MW-11S	04/03/2025		32.8000	***	10.0000
Molybdenum, Total	ug/L	MW-12S	04/17/2025		43.4000	***	10.0000
Molybdenum, Total	ug/L	MW-1S	04/22/2025		17.8000	***	10.0000
Molybdenum, Total	ug/L	MW-26S	04/03/2025		199.0000	***	10.0000
Molybdenum, Total	ug/L	MW-2S	04/14/2025		18.6000	***	10.0000
Molybdenum, Total	ug/L	MW-3S	04/18/2025		20.8000	***	10.0000
Molybdenum, Total	ug/L	MW-4S	04/14/2025		87.2000	***	10.0000
Molybdenum, Total	ug/L	MW-6S	04/10/2025		86.1000	***	10.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-7S	04/09/2025		18.9000	***	10.0000
Molybdenum, Total	ug/L	MW-8S	04/01/2025		129.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9S	04/01/2025		288.0000	***	10.0000
Selenium, Total	ug/L	MW-10S	04/04/2025		21.9000	***	1.0000
Selenium, Total	ug/L	MW-11S	04/03/2025		12.0000	***	1.0000
Selenium, Total	ug/L	MW-12S	04/17/2025		9.2000	***	1.0000
Selenium, Total	ug/L	MW-1S	04/22/2025		16.7000	***	1.0000
Selenium, Total	ug/L	MW-26S	04/03/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-2S	04/14/2025		12.1000	***	1.0000
Selenium, Total	ug/L	MW-3S	04/18/2025		8.5000	*	1.0000
Selenium, Total	ug/L	MW-4S	04/14/2025		1.7000	***	1.0000
Selenium, Total	ug/L	MW-6S	04/10/2025		2.9000	***	1.0000
Selenium, Total	ug/L	MW-7S	04/09/2025		15.9000	***	1.0000
Selenium, Total	ug/L	MW-8S	04/01/2025		1.1000	*	1.0000
Selenium, Total	ug/L	MW-9S	04/01/2025		5.7000	***	1.0000
Thallium, Total	ug/L	MW-10S	04/04/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11S	04/03/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12S	04/17/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1S	04/22/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-26S	04/03/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2S	04/14/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3S	04/18/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-4S	04/14/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6S	04/10/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-7S	04/09/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-8S	04/01/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9S	04/01/2025	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10S	04/04/2025		1.1700		1.7800
Total Radium	pCi/L	MW-11S	04/03/2025		0.9490		1.7800
Total Radium	pCi/L	MW-12S	04/17/2025	ND	1.5800		1.7800
Total Radium	pCi/L	MW-1S	04/22/2025	ND	2.1600		1.7800
Total Radium	pCi/L	MW-26S	04/03/2025		0.7300		1.7800
Total Radium	pCi/L	MW-2S	04/14/2025	ND	2.6400		1.7800
Total Radium	pCi/L	MW-3S	04/18/2025	ND	2.0700		1.7800
Total Radium	pCi/L	MW-4S	04/14/2025		0.9920		1.7800
Total Radium	pCi/L	MW-6S	04/10/2025		1.6500		1.7800
Total Radium	pCi/L	MW-7S	04/09/2025		1.0800		1.7800
Total Radium	pCi/L	MW-8S	04/01/2025		0.8510		1.7800
Total Radium	pCi/L	MW-9S	04/01/2025	ND	1.8400		1.7800

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Antimony, Total	0	17	0.000	80	247	0.324
Arsenic, Total	1	17	0.059	110	246	0.447
Barium, Total	17	17	1.000	247	247	1.000
Beryllium, Total	0	13	0.000	0	181	0.000
Boron, Total	0	17	0.000	257	258	0.996
Cadmium, Total	0	13	0.000	1	181	0.006
Chromium, Total	0	13	0.000	0	180	0.000
Cobalt, Total	1	16	0.063	19	240	0.079
Fluoride	0	17	0.000	242	258	0.938
Lead, Total	0	14	0.000	3	192	0.016
Lithium, Total	0	17	0.000	202	247	0.818
Mercury	0	12	0.000	0	180	0.000
Molybdenum, Total	0	17	0.000	217	247	0.879
Selenium, Total	0	17	0.000	133	247	0.538
Thallium, Total	0	13	0.000	0	181	0.000
Total Radium	6	16	0.375	138	247	0.559

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub
Antimony, Total	0	17	0.000	4.713	4.713				
Arsenic, Total	1	17	0.059	21.983	21.983				
Barium, Total	17	17	1.000	1.435	0.783				
Beryllium, Total	0	13	0.000	3.936	3.936				
Boron, Total	0	17	0.000	4.713	4.713				
Cadmium, Total	0	13	0.000	3.936	3.936				
Chromium, Total	0	13	0.000	3.936	3.936				
Cobalt, Total	1	16	0.063	4.567	4.567				
Fluoride	0	17	0.000	4.713	4.713				
Lead, Total	0	14	0.000	4.155	4.155				
Lithium, Total	0	17	0.000	4.713	4.713				
Mercury	0	12	0.000	3.731	3.731				
Molybdenum, Total	0	17	0.000	4.713	4.713				
Selenium, Total	0	17	0.000	4.713	4.713				
Thallium, Total	0	13	0.000	3.936	3.936				
Total Radium	6	16	0.375	3.849	4.032				

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Crit Value	Dist Form	Model Type
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	normal	normal
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type	
Antimony, Total	ug/L	0	17					1.0000	nonpar	***
Arsenic, Total	ug/L	1	17					5.8000	nonpar	
Barium, Total	ug/L	17	17	51.7941	6.6173	0.0100	2.6566	69.3736	normal	
Beryllium, Total	ug/L	0	13					0.2000	nonpar	***
Boron, Total	ug/L	0	17					100.0000	nonpar	***
Cadmium, Total	ug/L	0	13					2.0000	nonpar	***
Chromium, Total	ug/L	0	13					10.0000	nonpar	***
Cobalt, Total	ug/L	1	16					5.8000	nonpar	
Fluoride	mg/L	0	17					0.1000	nonpar	***
Lead, Total	ug/L	0	14					10.0000	nonpar	***
Lithium, Total	ug/L	0	17					20.0000	nonpar	***
Mercury	ug/L	0	12					2.0000	nonpar	***
Molybdenum, Total	ug/L	0	17					10.0000	nonpar	***
Selenium, Total	ug/L	0	17					1.0000	nonpar	***
Thallium, Total	ug/L	0	13					1.0000	nonpar	***
Total Radium	pCi/L	6	16					1.7800	nonpar	

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 5

Summary Statistics and Prediction Limits

Conf
0.94
0.94
0.91
0.94
0.91
0.91
0.93
0.94
0.92
0.94
0.90
0.94
0.94
0.91
0.93

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10S	04/21/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	05/31/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	11/30/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	05/24/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	08/09/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-10S	05/23/2018		1.0000	**	1.0000
Antimony, Total	ug/L	MW-10S	09/11/2018		1.4000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/07/2019		1.6000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/07/2020		2.1000	*	1.0000
Antimony, Total	ug/L	MW-10S	11/11/2020		3.1000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/21/2021		2.2000	*	1.0000
Antimony, Total	ug/L	MW-10S	11/12/2021		1.8000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/18/2022		2.2000	*	1.0000
Antimony, Total	ug/L	MW-10S	05/04/2023		2.4000	*	1.0000
Antimony, Total	ug/L	MW-10S	04/17/2024		2.4000	*	1.0000
Antimony, Total	ug/L	MW-10S	04/04/2025		2.2000	*	1.0000
Antimony, Total	ug/L	MW-11S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	06/02/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	08/12/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	09/30/2016		6.3000	*	1.0000
Antimony, Total	ug/L	MW-11S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	01/31/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-11S	05/23/2018		1.9000	*	1.0000
Antimony, Total	ug/L	MW-11S	09/11/2018		1.8000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/08/2019		1.7000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/07/2020		1.6000	*	1.0000
Antimony, Total	ug/L	MW-11S	11/12/2020		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/17/2021		1.5000	*	1.0000
Antimony, Total	ug/L	MW-11S	11/17/2021		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/12/2022		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	11/21/2022		1.3000	*	1.0000
Antimony, Total	ug/L	MW-11S	05/02/2023		1.4000	*	1.0000
Antimony, Total	ug/L	MW-11S	04/09/2024		1.3000	*	1.0000
Antimony, Total	ug/L	MW-11S	10/15/2024		1.3000	*	1.0000
Antimony, Total	ug/L	MW-11S	04/03/2025		1.4000	*	1.0000
Antimony, Total	ug/L	MW-12S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	06/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/23/2018		1.2000	*	1.0000
Antimony, Total	ug/L	MW-12S	09/12/2018		1.5000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-12S	05/08/2019		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/08/2020		1.4000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/12/2020		1.3000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/13/2021		1.2000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/10/2021		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/12/2022		1.4000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/15/2022		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	04/27/2023		1.5000	*	1.0000
Antimony, Total	ug/L	MW-12S	10/11/2023		1.8000	*	1.0000
Antimony, Total	ug/L	MW-12S	04/05/2024		2.0000	*	1.0000
Antimony, Total	ug/L	MW-12S	10/01/2024		1.8000	*	1.0000
Antimony, Total	ug/L	MW-12S	04/17/2025		1.3000	*	1.0000
Antimony, Total	ug/L	MW-1S	04/19/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	06/02/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	08/10/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	09/30/2016		6.3000	*	1.0000
Antimony, Total	ug/L	MW-1S	12/02/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	01/31/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	05/26/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	08/11/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-1S	05/23/2018		4.2000	*	1.0000
Antimony, Total	ug/L	MW-1S	09/11/2018		4.4000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/08/2019		1.8000	*	1.0000
Antimony, Total	ug/L	MW-1S	11/14/2019		3.5000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/05/2020		2.6000	*	1.0000
Antimony, Total	ug/L	MW-1S	11/11/2020		2.9000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/25/2021		1.9000	*	1.0000
Antimony, Total	ug/L	MW-1S	11/09/2021		1.8000	*	1.0000
Antimony, Total	ug/L	MW-1S	05/10/2022		1.7000	*	1.0000
Antimony, Total	ug/L	MW-1S	11/22/2022		2.7000	*	1.0000
Antimony, Total	ug/L	MW-1S	04/23/2023		1.4000	*	1.0000
Antimony, Total	ug/L	MW-1S	10/11/2023		1.9000	*	1.0000
Antimony, Total	ug/L	MW-1S	04/09/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1S	10/15/2024		1.8000	*	1.0000
Antimony, Total	ug/L	MW-1S	04/22/2025		1.2000	*	1.0000
Antimony, Total	ug/L	MW-6S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	06/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-6S	05/22/2018		1.1000	*	1.0000
Antimony, Total	ug/L	MW-6S	09/11/2018		1.6000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/08/2019	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	11/13/2019		1.5000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/08/2020		1.1000	*	1.0000
Antimony, Total	ug/L	MW-6S	11/19/2020		1.4000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/18/2021		1.4000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-6S	11/09/2021		1.2000	*	1.0000
Antimony, Total	ug/L	MW-6S	05/11/2022	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	05/01/2023		1.0000	**	1.0000
Antimony, Total	ug/L	MW-6S	04/04/2024		1.3000	*	1.0000
Antimony, Total	ug/L	MW-6S	10/03/2024		1.2000	*	1.0000
Antimony, Total	ug/L	MW-6S	04/10/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-7S	04/20/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	06/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	08/11/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	09/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	12/01/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	01/30/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	05/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	08/10/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-7S	05/23/2018		3.3000	*	1.0000
Antimony, Total	ug/L	MW-7S	09/11/2018		2.8000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/07/2019		1.7000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/07/2020		2.5000	*	1.0000
Antimony, Total	ug/L	MW-7S	11/11/2020		3.1000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/17/2021		2.7000	*	1.0000
Antimony, Total	ug/L	MW-7S	11/18/2021		3.8000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/12/2022		2.3000	*	1.0000
Antimony, Total	ug/L	MW-7S	11/16/2022		2.6000	*	1.0000
Antimony, Total	ug/L	MW-7S	05/03/2023		2.9000	*	1.0000
Antimony, Total	ug/L	MW-7S	10/09/2023		2.9000	*	1.0000
Antimony, Total	ug/L	MW-7S	04/10/2024		2.4000	*	1.0000
Antimony, Total	ug/L	MW-7S	10/15/2024		2.8000	*	1.0000
Antimony, Total	ug/L	MW-7S	04/09/2025		2.2000	*	1.0000
Arsenic, Total	ug/L	MW-11S	04/20/2016		146.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	06/02/2016		100.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	08/12/2016		61.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	09/30/2016		64.5000	*	5.8000
Arsenic, Total	ug/L	MW-11S	12/01/2016		41.6000	*	5.8000
Arsenic, Total	ug/L	MW-11S	01/31/2017		107.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/25/2017		115.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	08/10/2017		130.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/23/2018		126.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	09/11/2018		63.2000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/08/2019		79.6000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/07/2020		108.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	11/12/2020		141.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/17/2021		110.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	11/17/2021		77.8000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/12/2022		103.0000	*	5.8000
Arsenic, Total	ug/L	MW-11S	11/21/2022		49.2000	*	5.8000
Arsenic, Total	ug/L	MW-11S	05/02/2023		59.8000	*	5.8000
Arsenic, Total	ug/L	MW-11S	04/09/2024		76.5000	*	5.8000
Arsenic, Total	ug/L	MW-11S	10/15/2024		54.4000	*	5.8000
Arsenic, Total	ug/L	MW-11S	04/03/2025		44.6000	*	5.8000
Arsenic, Total	ug/L	MW-2S	04/19/2016		15.9000	*	5.8000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-2S	06/01/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-2S	08/11/2016		16.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	09/30/2016		19.8000	*	5.8000
Arsenic, Total	ug/L	MW-2S	12/02/2016		21.7000	*	5.8000
Arsenic, Total	ug/L	MW-2S	01/31/2017		17.0000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/26/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-2S	08/11/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-2S	05/22/2018		28.5000	*	5.8000
Arsenic, Total	ug/L	MW-2S	09/11/2018		60.3000	***	5.8000
Arsenic, Total	ug/L	MW-2S	05/09/2019		15.1000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/14/2019		8.4000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/08/2020		15.0000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/11/2020		8.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/11/2021		12.4000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/10/2021		13.7000	*	5.8000
Arsenic, Total	ug/L	MW-2S	05/11/2022		13.3000	*	5.8000
Arsenic, Total	ug/L	MW-2S	11/15/2022		6.2000	*	5.8000
Arsenic, Total	ug/L	MW-2S	04/18/2023		13.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	10/10/2023		5.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	04/05/2024		6.9000	*	5.8000
Arsenic, Total	ug/L	MW-2S	10/07/2024		5.7000		5.8000
Arsenic, Total	ug/L	MW-2S	04/14/2025		11.8000	*	5.8000
Arsenic, Total	ug/L	MW-4S	04/20/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	06/01/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	08/11/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	09/29/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	12/01/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	01/31/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	05/25/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	08/10/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-4S	05/22/2018		3.2000		5.8000
Arsenic, Total	ug/L	MW-4S	09/12/2018		2.1000		5.8000
Arsenic, Total	ug/L	MW-4S	05/07/2019		5.9000	*	5.8000
Arsenic, Total	ug/L	MW-4S	11/13/2019		10.0000	*	5.8000
Arsenic, Total	ug/L	MW-4S	05/06/2020		7.1000	*	5.8000
Arsenic, Total	ug/L	MW-4S	11/10/2020		9.0000	*	5.8000
Arsenic, Total	ug/L	MW-4S	05/21/2021		5.1000		5.8000
Arsenic, Total	ug/L	MW-4S	11/17/2021		4.8000		5.8000
Arsenic, Total	ug/L	MW-4S	05/10/2022		3.8000		5.8000
Arsenic, Total	ug/L	MW-4S	11/28/2022		6.0000	*	5.8000
Arsenic, Total	ug/L	MW-4S	04/25/2023		3.0000		5.8000
Arsenic, Total	ug/L	MW-4S	10/12/2023		4.7000		5.8000
Arsenic, Total	ug/L	MW-4S	04/09/2024		2.3000		5.8000
Arsenic, Total	ug/L	MW-4S	10/11/2024		6.4000	*	5.8000
Arsenic, Total	ug/L	MW-4S	04/14/2025		2.6000		5.8000
Arsenic, Total	ug/L	MW-9S	04/21/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-9S	05/31/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-9S	08/11/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-9S	09/29/2016	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-9S	11/30/2016	ND	10.0000		5.8000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-9S	01/30/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-9S	05/24/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-9S	08/10/2017	ND	10.0000		5.8000
Arsenic, Total	ug/L	MW-9S	05/21/2018	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-9S	09/12/2018	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-9S	05/07/2019	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-9S	11/13/2019		2.8000		5.8000
Arsenic, Total	ug/L	MW-9S	05/06/2020		1.8000		5.8000
Arsenic, Total	ug/L	MW-9S	11/10/2020		6.3000	*	5.8000
Arsenic, Total	ug/L	MW-9S	05/13/2021		2.9000		5.8000
Arsenic, Total	ug/L	MW-9S	11/12/2021	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-9S	05/12/2022	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-9S	05/08/2023		6.0000	*	5.8000
Arsenic, Total	ug/L	MW-9S	10/06/2023		13.8000	*	5.8000
Arsenic, Total	ug/L	MW-9S	04/04/2024	ND	1.0000		5.8000
Arsenic, Total	ug/L	MW-9S	10/09/2024		13.0000	*	5.8000
Arsenic, Total	ug/L	MW-9S	04/01/2025		14.8000	*	5.8000
Barium, Total	ug/L	MW-10S	04/21/2016		78.3000	*	69.3736
Barium, Total	ug/L	MW-10S	05/31/2016		76.6000	*	69.3736
Barium, Total	ug/L	MW-10S	08/11/2016		68.2000		69.3736
Barium, Total	ug/L	MW-10S	09/29/2016		66.5000		69.3736
Barium, Total	ug/L	MW-10S	11/30/2016		73.1000	*	69.3736
Barium, Total	ug/L	MW-10S	01/30/2017		67.4000		69.3736
Barium, Total	ug/L	MW-10S	05/24/2017		69.6000	*	69.3736
Barium, Total	ug/L	MW-10S	08/09/2017		69.3000		69.3736
Barium, Total	ug/L	MW-10S	05/23/2018		65.4000		69.3736
Barium, Total	ug/L	MW-10S	09/11/2018		67.0000		69.3736
Barium, Total	ug/L	MW-10S	05/07/2019		91.2000	*	69.3736
Barium, Total	ug/L	MW-10S	05/07/2020		93.4000	*	69.3736
Barium, Total	ug/L	MW-10S	11/11/2020		95.0000	*	69.3736
Barium, Total	ug/L	MW-10S	05/21/2021		73.7000	*	69.3736
Barium, Total	ug/L	MW-10S	11/12/2021		83.6000	*	69.3736
Barium, Total	ug/L	MW-10S	05/18/2022		80.1000	*	69.3736
Barium, Total	ug/L	MW-10S	05/04/2023		69.5000	*	69.3736
Barium, Total	ug/L	MW-10S	04/17/2024		97.6000	*	69.3736
Barium, Total	ug/L	MW-10S	04/04/2025		72.4000	*	69.3736
Barium, Total	ug/L	MW-11S	04/20/2016		107.0000	*	69.3736
Barium, Total	ug/L	MW-11S	06/02/2016		72.1000	*	69.3736
Barium, Total	ug/L	MW-11S	08/12/2016		76.2000	*	69.3736
Barium, Total	ug/L	MW-11S	09/30/2016		70.6000	*	69.3736
Barium, Total	ug/L	MW-11S	12/01/2016		66.9000		69.3736
Barium, Total	ug/L	MW-11S	01/31/2017		72.2000	*	69.3736
Barium, Total	ug/L	MW-11S	05/25/2017		73.8000	*	69.3736
Barium, Total	ug/L	MW-11S	08/10/2017		74.1000	*	69.3736
Barium, Total	ug/L	MW-11S	05/23/2018		66.5000		69.3736
Barium, Total	ug/L	MW-11S	09/11/2018		63.9000		69.3736
Barium, Total	ug/L	MW-11S	05/08/2019		85.4000	*	69.3736
Barium, Total	ug/L	MW-11S	05/07/2020		84.3000	*	69.3736
Barium, Total	ug/L	MW-11S	11/12/2020		133.0000	*	69.3736
Barium, Total	ug/L	MW-11S	05/17/2021		123.0000	*	69.3736

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-11S	11/17/2021		106.0000	*	69.3736
Barium, Total	ug/L	MW-11S	05/12/2022		88.3000	*	69.3736
Barium, Total	ug/L	MW-11S	11/21/2022		152.0000	*	69.3736
Barium, Total	ug/L	MW-11S	05/02/2023		77.1000	*	69.3736
Barium, Total	ug/L	MW-11S	04/09/2024		79.9000	*	69.3736
Barium, Total	ug/L	MW-11S	10/15/2024		134.0000	*	69.3736
Barium, Total	ug/L	MW-11S	04/03/2025		114.0000	*	69.3736
Barium, Total	ug/L	MW-12S	04/20/2016		123.0000	*	69.3736
Barium, Total	ug/L	MW-12S	06/01/2016		81.1000	*	69.3736
Barium, Total	ug/L	MW-12S	08/11/2016		68.8000		69.3736
Barium, Total	ug/L	MW-12S	09/29/2016		60.3000		69.3736
Barium, Total	ug/L	MW-12S	12/01/2016		67.4000		69.3736
Barium, Total	ug/L	MW-12S	01/30/2017		67.3000		69.3736
Barium, Total	ug/L	MW-12S	05/25/2017		87.3000	*	69.3736
Barium, Total	ug/L	MW-12S	08/10/2017		113.0000	*	69.3736
Barium, Total	ug/L	MW-12S	05/23/2018		123.0000	*	69.3736
Barium, Total	ug/L	MW-12S	09/12/2018		78.1000	*	69.3736
Barium, Total	ug/L	MW-12S	05/08/2019		119.0000	*	69.3736
Barium, Total	ug/L	MW-12S	05/08/2020		131.0000	*	69.3736
Barium, Total	ug/L	MW-12S	11/12/2020		112.0000	*	69.3736
Barium, Total	ug/L	MW-12S	05/13/2021		99.4000	*	69.3736
Barium, Total	ug/L	MW-12S	11/10/2021		127.0000	*	69.3736
Barium, Total	ug/L	MW-12S	05/12/2022		125.0000	*	69.3736
Barium, Total	ug/L	MW-12S	11/15/2022		120.0000	*	69.3736
Barium, Total	ug/L	MW-12S	04/27/2023		122.0000	*	69.3736
Barium, Total	ug/L	MW-12S	10/11/2023		136.0000	*	69.3736
Barium, Total	ug/L	MW-12S	04/05/2024		172.0000	*	69.3736
Barium, Total	ug/L	MW-12S	10/01/2024		145.0000	*	69.3736
Barium, Total	ug/L	MW-12S	04/17/2025		114.0000	*	69.3736
Barium, Total	ug/L	MW-1S	04/19/2016		74.8000	*	69.3736
Barium, Total	ug/L	MW-1S	06/02/2016		73.3000	*	69.3736
Barium, Total	ug/L	MW-1S	08/10/2016		75.0000	*	69.3736
Barium, Total	ug/L	MW-1S	09/30/2016		83.4000	*	69.3736
Barium, Total	ug/L	MW-1S	12/02/2016		82.8000	*	69.3736
Barium, Total	ug/L	MW-1S	01/31/2017		88.1000	*	69.3736
Barium, Total	ug/L	MW-1S	05/26/2017		73.8000	*	69.3736
Barium, Total	ug/L	MW-1S	08/11/2017		72.1000	*	69.3736
Barium, Total	ug/L	MW-1S	05/23/2018		81.1000	*	69.3736
Barium, Total	ug/L	MW-1S	09/11/2018		73.8000	*	69.3736
Barium, Total	ug/L	MW-1S	05/08/2019		53.5000		69.3736
Barium, Total	ug/L	MW-1S	11/14/2019		99.2000	*	69.3736
Barium, Total	ug/L	MW-1S	05/05/2020		72.0000	*	69.3736
Barium, Total	ug/L	MW-1S	11/11/2020		97.9000	*	69.3736
Barium, Total	ug/L	MW-1S	05/25/2021		69.9000	*	69.3736
Barium, Total	ug/L	MW-1S	11/09/2021		73.7000	*	69.3736
Barium, Total	ug/L	MW-1S	05/10/2022		79.7000	*	69.3736
Barium, Total	ug/L	MW-1S	11/22/2022		110.0000	*	69.3736
Barium, Total	ug/L	MW-1S	04/23/2023		62.8000		69.3736
Barium, Total	ug/L	MW-1S	10/11/2023		83.7000	*	69.3736
Barium, Total	ug/L	MW-1S	04/09/2024		65.0000		69.3736

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-1S	10/15/2024		70.1000	*	69.3736
Barium, Total	ug/L	MW-1S	04/22/2025		63.6000		69.3736
Barium, Total	ug/L	MW-2S	04/19/2016		115.0000	*	69.3736
Barium, Total	ug/L	MW-2S	06/01/2016		117.0000	*	69.3736
Barium, Total	ug/L	MW-2S	08/11/2016		111.0000	*	69.3736
Barium, Total	ug/L	MW-2S	09/30/2016		124.0000	*	69.3736
Barium, Total	ug/L	MW-2S	12/02/2016		179.0000	*	69.3736
Barium, Total	ug/L	MW-2S	01/31/2017		137.0000	*	69.3736
Barium, Total	ug/L	MW-2S	05/26/2017		160.0000	*	69.3736
Barium, Total	ug/L	MW-2S	08/11/2017		189.0000	*	69.3736
Barium, Total	ug/L	MW-2S	05/22/2018		222.0000	*	69.3736
Barium, Total	ug/L	MW-2S	09/11/2018		186.0000	*	69.3736
Barium, Total	ug/L	MW-2S	05/09/2019		218.0000	*	69.3736
Barium, Total	ug/L	MW-2S	11/14/2019		122.0000	*	69.3736
Barium, Total	ug/L	MW-2S	05/08/2020		195.0000	*	69.3736
Barium, Total	ug/L	MW-2S	11/11/2020		110.0000	*	69.3736
Barium, Total	ug/L	MW-2S	05/11/2021		116.0000	*	69.3736
Barium, Total	ug/L	MW-2S	11/10/2021		143.0000	*	69.3736
Barium, Total	ug/L	MW-2S	05/11/2022		132.0000	*	69.3736
Barium, Total	ug/L	MW-2S	11/15/2022		97.4000	*	69.3736
Barium, Total	ug/L	MW-2S	04/18/2023		175.0000	*	69.3736
Barium, Total	ug/L	MW-2S	10/10/2023		107.0000	*	69.3736
Barium, Total	ug/L	MW-2S	04/05/2024		120.0000	*	69.3736
Barium, Total	ug/L	MW-2S	10/07/2024		114.0000	*	69.3736
Barium, Total	ug/L	MW-2S	04/14/2025		119.0000	*	69.3736
Barium, Total	ug/L	MW-3S	04/20/2016		92.6000	*	69.3736
Barium, Total	ug/L	MW-3S	06/01/2016		86.9000	*	69.3736
Barium, Total	ug/L	MW-3S	08/11/2016		106.0000	*	69.3736
Barium, Total	ug/L	MW-3S	09/30/2016		90.4000	*	69.3736
Barium, Total	ug/L	MW-3S	12/02/2016		101.0000	*	69.3736
Barium, Total	ug/L	MW-3S	01/31/2017		85.9000	*	69.3736
Barium, Total	ug/L	MW-3S	05/25/2017		80.0000	*	69.3736
Barium, Total	ug/L	MW-3S	08/11/2017		75.3000	*	69.3736
Barium, Total	ug/L	MW-3S	05/22/2018		73.9000	*	69.3736
Barium, Total	ug/L	MW-3S	09/11/2018		92.3000	*	69.3736
Barium, Total	ug/L	MW-3S	05/09/2019		97.0000	*	69.3736
Barium, Total	ug/L	MW-3S	11/13/2019		76.5000	*	69.3736
Barium, Total	ug/L	MW-3S	05/05/2020		131.0000	*	69.3736
Barium, Total	ug/L	MW-3S	11/10/2020		80.0000	*	69.3736
Barium, Total	ug/L	MW-3S	05/12/2021		114.0000	*	69.3736
Barium, Total	ug/L	MW-3S	11/18/2021		94.3000	*	69.3736
Barium, Total	ug/L	MW-3S	05/11/2022		141.0000	*	69.3736
Barium, Total	ug/L	MW-3S	11/16/2022		81.2000	*	69.3736
Barium, Total	ug/L	MW-3S	04/18/2023		116.0000	*	69.3736
Barium, Total	ug/L	MW-3S	10/09/2023		98.8000	*	69.3736
Barium, Total	ug/L	MW-3S	04/05/2024		106.0000	*	69.3736
Barium, Total	ug/L	MW-3S	10/07/2024		81.4000	*	69.3736
Barium, Total	ug/L	MW-3S	04/18/2025		121.0000	*	69.3736
Barium, Total	ug/L	MW-4S	04/20/2016		41.0000		69.3736
Barium, Total	ug/L	MW-4S	06/01/2016		33.8000		69.3736

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-4S	08/11/2016		39.4000		69.3736
Barium, Total	ug/L	MW-4S	09/29/2016		40.6000		69.3736
Barium, Total	ug/L	MW-4S	12/01/2016		44.8000		69.3736
Barium, Total	ug/L	MW-4S	01/31/2017		47.3000		69.3736
Barium, Total	ug/L	MW-4S	05/25/2017		43.3000		69.3736
Barium, Total	ug/L	MW-4S	08/10/2017		52.9000		69.3736
Barium, Total	ug/L	MW-4S	05/22/2018		198.0000	*	69.3736
Barium, Total	ug/L	MW-4S	09/12/2018		56.7000		69.3736
Barium, Total	ug/L	MW-4S	05/07/2019		126.0000	*	69.3736
Barium, Total	ug/L	MW-4S	11/13/2019		188.0000	*	69.3736
Barium, Total	ug/L	MW-4S	05/06/2020		167.0000	*	69.3736
Barium, Total	ug/L	MW-4S	11/10/2020		246.0000	*	69.3736
Barium, Total	ug/L	MW-4S	05/21/2021		77.9000	*	69.3736
Barium, Total	ug/L	MW-4S	11/17/2021		43.0000		69.3736
Barium, Total	ug/L	MW-4S	05/10/2022		122.0000	*	69.3736
Barium, Total	ug/L	MW-4S	11/28/2022		87.6000	*	69.3736
Barium, Total	ug/L	MW-4S	04/25/2023		82.4000	*	69.3736
Barium, Total	ug/L	MW-4S	10/12/2023		93.0000	*	69.3736
Barium, Total	ug/L	MW-4S	04/09/2024		66.4000		69.3736
Barium, Total	ug/L	MW-4S	10/11/2024		177.0000	*	69.3736
Barium, Total	ug/L	MW-4S	04/14/2025		54.8000		69.3736
Barium, Total	ug/L	MW-6S	04/20/2016		190.0000	*	69.3736
Barium, Total	ug/L	MW-6S	06/01/2016		130.0000	*	69.3736
Barium, Total	ug/L	MW-6S	08/11/2016		133.0000	*	69.3736
Barium, Total	ug/L	MW-6S	09/29/2016		114.0000	*	69.3736
Barium, Total	ug/L	MW-6S	12/01/2016		108.0000	*	69.3736
Barium, Total	ug/L	MW-6S	01/30/2017		161.0000	*	69.3736
Barium, Total	ug/L	MW-6S	05/25/2017		147.0000	*	69.3736
Barium, Total	ug/L	MW-6S	08/10/2017		158.0000	*	69.3736
Barium, Total	ug/L	MW-6S	05/22/2018		115.0000	*	69.3736
Barium, Total	ug/L	MW-6S	09/11/2018		84.7000	*	69.3736
Barium, Total	ug/L	MW-6S	05/08/2019		67.4000		69.3736
Barium, Total	ug/L	MW-6S	11/13/2019		122.0000	*	69.3736
Barium, Total	ug/L	MW-6S	05/08/2020		110.0000	*	69.3736
Barium, Total	ug/L	MW-6S	11/19/2020		115.0000	*	69.3736
Barium, Total	ug/L	MW-6S	05/18/2021		89.7000	*	69.3736
Barium, Total	ug/L	MW-6S	11/09/2021		86.4000	*	69.3736
Barium, Total	ug/L	MW-6S	05/11/2022		92.5000	*	69.3736
Barium, Total	ug/L	MW-6S	05/01/2023		73.1000	*	69.3736
Barium, Total	ug/L	MW-6S	04/04/2024		99.6000	*	69.3736
Barium, Total	ug/L	MW-6S	10/03/2024		98.2000	*	69.3736
Barium, Total	ug/L	MW-6S	04/10/2025		33.0000		69.3736
Barium, Total	ug/L	MW-7S	04/20/2016		164.0000	*	69.3736
Barium, Total	ug/L	MW-7S	06/01/2016		145.0000	*	69.3736
Barium, Total	ug/L	MW-7S	08/11/2016		149.0000	*	69.3736
Barium, Total	ug/L	MW-7S	09/29/2016		132.0000	*	69.3736
Barium, Total	ug/L	MW-7S	12/01/2016		142.0000	*	69.3736
Barium, Total	ug/L	MW-7S	01/30/2017		129.0000	*	69.3736
Barium, Total	ug/L	MW-7S	05/25/2017		128.0000	*	69.3736
Barium, Total	ug/L	MW-7S	08/10/2017		115.0000	*	69.3736

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-7S	05/23/2018		117.0000	*	69.3736
Barium, Total	ug/L	MW-7S	09/11/2018		102.0000	*	69.3736
Barium, Total	ug/L	MW-7S	05/07/2019		95.1000	*	69.3736
Barium, Total	ug/L	MW-7S	05/07/2020		63.3000		69.3736
Barium, Total	ug/L	MW-7S	11/11/2020		64.0000		69.3736
Barium, Total	ug/L	MW-7S	05/17/2021		106.0000	*	69.3736
Barium, Total	ug/L	MW-7S	11/18/2021		89.2000	*	69.3736
Barium, Total	ug/L	MW-7S	05/12/2022		80.5000	*	69.3736
Barium, Total	ug/L	MW-7S	11/16/2022		100.0000	*	69.3736
Barium, Total	ug/L	MW-7S	05/03/2023		63.8000		69.3736
Barium, Total	ug/L	MW-7S	10/09/2023		47.7000		69.3736
Barium, Total	ug/L	MW-7S	04/10/2024		54.1000		69.3736
Barium, Total	ug/L	MW-7S	10/15/2024		38.0000		69.3736
Barium, Total	ug/L	MW-7S	04/09/2025		87.9000	*	69.3736
Barium, Total	ug/L	MW-8S	04/20/2016		77.7000	*	69.3736
Barium, Total	ug/L	MW-8S	05/31/2016		74.7000	*	69.3736
Barium, Total	ug/L	MW-8S	08/11/2016		63.3000		69.3736
Barium, Total	ug/L	MW-8S	09/29/2016		64.1000		69.3736
Barium, Total	ug/L	MW-8S	12/01/2016		58.8000		69.3736
Barium, Total	ug/L	MW-8S	01/30/2017		60.6000		69.3736
Barium, Total	ug/L	MW-8S	05/25/2017		63.6000		69.3736
Barium, Total	ug/L	MW-8S	08/10/2017		56.5000		69.3736
Barium, Total	ug/L	MW-8S	05/22/2018		56.6000		69.3736
Barium, Total	ug/L	MW-8S	09/12/2018		110.0000	*	69.3736
Barium, Total	ug/L	MW-8S	05/07/2019		130.0000	*	69.3736
Barium, Total	ug/L	MW-8S	11/13/2019		144.0000	*	69.3736
Barium, Total	ug/L	MW-8S	05/07/2020		59.8000		69.3736
Barium, Total	ug/L	MW-8S	11/19/2020		164.0000	*	69.3736
Barium, Total	ug/L	MW-8S	05/12/2021		106.0000	*	69.3736
Barium, Total	ug/L	MW-8S	11/18/2021		87.2000	*	69.3736
Barium, Total	ug/L	MW-8S	05/12/2022		127.0000	*	69.3736
Barium, Total	ug/L	MW-8S	05/03/2023		111.0000	*	69.3736
Barium, Total	ug/L	MW-8S	04/04/2024		79.3000	*	69.3736
Barium, Total	ug/L	MW-8S	10/02/2024		106.0000	*	69.3736
Barium, Total	ug/L	MW-8S	04/01/2025		113.0000	*	69.3736
Barium, Total	ug/L	MW-9S	04/21/2016		68.5000		69.3736
Barium, Total	ug/L	MW-9S	05/31/2016		73.0000	*	69.3736
Barium, Total	ug/L	MW-9S	08/11/2016		71.2000	*	69.3736
Barium, Total	ug/L	MW-9S	09/29/2016		66.9000		69.3736
Barium, Total	ug/L	MW-9S	11/30/2016		65.4000		69.3736
Barium, Total	ug/L	MW-9S	01/30/2017		74.9000	*	69.3736
Barium, Total	ug/L	MW-9S	05/24/2017		69.8000	*	69.3736
Barium, Total	ug/L	MW-9S	08/10/2017		72.8000	*	69.3736
Barium, Total	ug/L	MW-9S	05/21/2018		106.0000	*	69.3736
Barium, Total	ug/L	MW-9S	09/12/2018		51.6000		69.3736
Barium, Total	ug/L	MW-9S	05/07/2019		85.6000	*	69.3736
Barium, Total	ug/L	MW-9S	11/13/2019		83.8000	*	69.3736
Barium, Total	ug/L	MW-9S	05/06/2020		81.7000	*	69.3736
Barium, Total	ug/L	MW-9S	11/10/2020		115.0000	*	69.3736
Barium, Total	ug/L	MW-9S	05/13/2021		65.1000		69.3736

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-9S	11/12/2021		84.8000	*	69.3736
Barium, Total	ug/L	MW-9S	05/12/2022		79.6000	*	69.3736
Barium, Total	ug/L	MW-9S	05/08/2023		116.0000	*	69.3736
Barium, Total	ug/L	MW-9S	10/06/2023		157.0000	*	69.3736
Barium, Total	ug/L	MW-9S	04/04/2024		90.8000	*	69.3736
Barium, Total	ug/L	MW-9S	10/09/2024		173.0000	*	69.3736
Barium, Total	ug/L	MW-9S	04/01/2025		172.0000	*	69.3736
Boron, Total	ug/L	MW-10S	04/21/2016		6920.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/31/2016		7200.0000	*	100.0000
Boron, Total	ug/L	MW-10S	08/11/2016		6130.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/29/2016		6360.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/30/2016		5790.0000	*	100.0000
Boron, Total	ug/L	MW-10S	01/30/2017		4840.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/24/2017		4010.0000	*	100.0000
Boron, Total	ug/L	MW-10S	08/09/2017		3190.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/28/2017		2580.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/23/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-10S	09/11/2018		4770.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/07/2019		4350.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/07/2020		8460.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/11/2020		6840.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/21/2021		5970.0000	*	100.0000
Boron, Total	ug/L	MW-10S	11/12/2021		5770.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/18/2022		7250.0000	*	100.0000
Boron, Total	ug/L	MW-10S	05/04/2023		6300.0000	*	100.0000
Boron, Total	ug/L	MW-10S	04/17/2024		5760.0000	*	100.0000
Boron, Total	ug/L	MW-10S	04/04/2025		4850.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/20/2016		7700.0000	*	100.0000
Boron, Total	ug/L	MW-11S	06/02/2016		8370.0000	*	100.0000
Boron, Total	ug/L	MW-11S	08/12/2016		10100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/30/2016		10100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	12/01/2016		9910.0000	*	100.0000
Boron, Total	ug/L	MW-11S	01/31/2017		7750.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/25/2017		7100.0000	*	100.0000
Boron, Total	ug/L	MW-11S	08/10/2017		7350.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/28/2017		7290.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/23/2018		6570.0000	*	100.0000
Boron, Total	ug/L	MW-11S	09/11/2018		5830.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/08/2019		6650.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/07/2020		5400.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/12/2020		4270.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/17/2021		3810.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/17/2021		5080.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/12/2022		4980.0000	*	100.0000
Boron, Total	ug/L	MW-11S	11/21/2022		3780.0000	*	100.0000
Boron, Total	ug/L	MW-11S	05/02/2023		1360.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/09/2024		807.0000	*	100.0000
Boron, Total	ug/L	MW-11S	10/15/2024		1530.0000	*	100.0000
Boron, Total	ug/L	MW-11S	04/03/2025		998.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/20/2016		1820.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-12S	06/01/2016		1720.0000	*	100.0000
Boron, Total	ug/L	MW-12S	08/11/2016		2450.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/29/2016		2600.0000	*	100.0000
Boron, Total	ug/L	MW-12S	12/01/2016		2130.0000	*	100.0000
Boron, Total	ug/L	MW-12S	01/30/2017		2570.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/25/2017		4250.0000	*	100.0000
Boron, Total	ug/L	MW-12S	08/10/2017		4440.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/27/2017		3080.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/23/2018		3300.0000	*	100.0000
Boron, Total	ug/L	MW-12S	09/12/2018		4540.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/08/2019		7630.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/08/2020		9320.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/12/2020		9050.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/13/2021		7680.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/10/2021		6030.0000	*	100.0000
Boron, Total	ug/L	MW-12S	05/12/2022		5030.0000	*	100.0000
Boron, Total	ug/L	MW-12S	11/15/2022		13300.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/27/2023		4520.0000	*	100.0000
Boron, Total	ug/L	MW-12S	10/11/2023		6950.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/05/2024		6800.0000	*	100.0000
Boron, Total	ug/L	MW-12S	10/01/2024		4600.0000	*	100.0000
Boron, Total	ug/L	MW-12S	04/17/2025		3090.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/19/2016		3860.0000	*	100.0000
Boron, Total	ug/L	MW-1S	06/02/2016		3280.0000	*	100.0000
Boron, Total	ug/L	MW-1S	08/10/2016		2700.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/30/2016		3710.0000	*	100.0000
Boron, Total	ug/L	MW-1S	12/02/2016		3860.0000	*	100.0000
Boron, Total	ug/L	MW-1S	01/31/2017		4300.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/26/2017		4340.0000	*	100.0000
Boron, Total	ug/L	MW-1S	08/11/2017		4440.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/28/2017		4730.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/23/2018		6110.0000	*	100.0000
Boron, Total	ug/L	MW-1S	09/11/2018		3240.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/08/2019		4240.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/14/2019		3650.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/05/2020		3920.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/11/2020		2050.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/25/2021		2800.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/09/2021		3030.0000	*	100.0000
Boron, Total	ug/L	MW-1S	05/10/2022		3880.0000	*	100.0000
Boron, Total	ug/L	MW-1S	11/22/2022		1690.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/23/2023		2660.0000	*	100.0000
Boron, Total	ug/L	MW-1S	10/11/2023		856.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/09/2024		2400.0000	*	100.0000
Boron, Total	ug/L	MW-1S	10/15/2024		612.0000	*	100.0000
Boron, Total	ug/L	MW-1S	04/22/2025		2050.0000	*	100.0000
Boron, Total	ug/L	MW-26S	03/27/2023		3660.0000	*	100.0000
Boron, Total	ug/L	MW-26S	05/04/2023		2990.0000	*	100.0000
Boron, Total	ug/L	MW-26S	07/05/2023		2280.0000	*	100.0000
Boron, Total	ug/L	MW-26S	10/16/2023		4080.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-26S	04/03/2024		3990.0000	*	100.0000
Boron, Total	ug/L	MW-26S	10/02/2024		3400.0000	*	100.0000
Boron, Total	ug/L	MW-26S	04/03/2025		3010.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/19/2016		1330.0000	*	100.0000
Boron, Total	ug/L	MW-2S	06/01/2016		1530.0000	*	100.0000
Boron, Total	ug/L	MW-2S	08/11/2016		2220.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/30/2016		2380.0000	*	100.0000
Boron, Total	ug/L	MW-2S	12/02/2016		2190.0000	*	100.0000
Boron, Total	ug/L	MW-2S	01/31/2017		2130.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/26/2017		1930.0000	*	100.0000
Boron, Total	ug/L	MW-2S	08/11/2017		2170.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/27/2017		3390.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/22/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-2S	09/11/2018		1370.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/09/2019		1380.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/14/2019		1020.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/08/2020		1910.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/11/2020		985.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/11/2021		808.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/10/2021		1050.0000	*	100.0000
Boron, Total	ug/L	MW-2S	05/11/2022		1160.0000	*	100.0000
Boron, Total	ug/L	MW-2S	11/15/2022		878.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/18/2023		978.0000	*	100.0000
Boron, Total	ug/L	MW-2S	10/10/2023		550.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/05/2024		339.0000	*	100.0000
Boron, Total	ug/L	MW-2S	10/07/2024		373.0000	*	100.0000
Boron, Total	ug/L	MW-2S	04/14/2025		456.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/20/2016		1660.0000	*	100.0000
Boron, Total	ug/L	MW-3S	06/01/2016		1390.0000	*	100.0000
Boron, Total	ug/L	MW-3S	08/11/2016		1990.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/30/2016		1030.0000	*	100.0000
Boron, Total	ug/L	MW-3S	12/02/2016		444.0000	*	100.0000
Boron, Total	ug/L	MW-3S	01/31/2017		663.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/25/2017		653.0000	*	100.0000
Boron, Total	ug/L	MW-3S	08/11/2017		650.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/27/2017		273.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/22/2018		218.0000	*	100.0000
Boron, Total	ug/L	MW-3S	09/11/2018		189.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/09/2019		973.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/13/2019		200.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/05/2020		400.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/10/2020		134.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/12/2021		293.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/18/2021		417.0000	*	100.0000
Boron, Total	ug/L	MW-3S	05/11/2022		766.0000	*	100.0000
Boron, Total	ug/L	MW-3S	11/16/2022		324.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/18/2023		522.0000	*	100.0000
Boron, Total	ug/L	MW-3S	10/09/2023		392.0000	*	100.0000
Boron, Total	ug/L	MW-3S	04/05/2024		232.0000	*	100.0000
Boron, Total	ug/L	MW-3S	10/07/2024		426.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-3S	04/18/2025		762.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/20/2016		130.0000	*	100.0000
Boron, Total	ug/L	MW-4S	06/01/2016		108.0000	*	100.0000
Boron, Total	ug/L	MW-4S	08/11/2016		150.0000	*	100.0000
Boron, Total	ug/L	MW-4S	09/29/2016		139.0000	*	100.0000
Boron, Total	ug/L	MW-4S	12/01/2016		116.0000	*	100.0000
Boron, Total	ug/L	MW-4S	01/31/2017	ND	100.0000		100.0000
Boron, Total	ug/L	MW-4S	05/25/2017		105.0000	*	100.0000
Boron, Total	ug/L	MW-4S	08/10/2017		167.0000	*	100.0000
Boron, Total	ug/L	MW-4S	09/28/2017		170.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/22/2018		3060.0000	*	100.0000
Boron, Total	ug/L	MW-4S	09/12/2018		238.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/07/2019		2350.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/13/2019		4010.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/06/2020		2530.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/10/2020		4510.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/21/2021		1060.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/17/2021		129.0000	*	100.0000
Boron, Total	ug/L	MW-4S	05/10/2022		606.0000	*	100.0000
Boron, Total	ug/L	MW-4S	11/28/2022		2580.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/25/2023		618.0000	*	100.0000
Boron, Total	ug/L	MW-4S	10/12/2023		6090.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/09/2024		465.0000	*	100.0000
Boron, Total	ug/L	MW-4S	10/11/2024		5320.0000	*	100.0000
Boron, Total	ug/L	MW-4S	04/14/2025		541.0000	*	100.0000
Boron, Total	ug/L	MW-6S	04/20/2016		2840.0000	*	100.0000
Boron, Total	ug/L	MW-6S	06/01/2016		2800.0000	*	100.0000
Boron, Total	ug/L	MW-6S	08/11/2016		2920.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/29/2016		3160.0000	*	100.0000
Boron, Total	ug/L	MW-6S	12/01/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-6S	01/30/2017		4190.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/25/2017		3990.0000	*	100.0000
Boron, Total	ug/L	MW-6S	08/10/2017		3430.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/27/2017		4040.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/22/2018		4310.0000	*	100.0000
Boron, Total	ug/L	MW-6S	09/11/2018		3700.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/08/2019		1230.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/13/2019		4030.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/08/2020		4640.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/19/2020		4200.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/18/2021		4980.0000	*	100.0000
Boron, Total	ug/L	MW-6S	11/09/2021		4110.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/11/2022		3020.0000	*	100.0000
Boron, Total	ug/L	MW-6S	05/01/2023		5950.0000	*	100.0000
Boron, Total	ug/L	MW-6S	04/04/2024		10100.0000	*	100.0000
Boron, Total	ug/L	MW-6S	10/03/2024		6000.0000	*	100.0000
Boron, Total	ug/L	MW-6S	04/10/2025		488.0000	*	100.0000
Boron, Total	ug/L	MW-7S	04/20/2016		7920.0000	*	100.0000
Boron, Total	ug/L	MW-7S	06/01/2016		6560.0000	*	100.0000
Boron, Total	ug/L	MW-7S	08/11/2016		6200.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-7S	09/29/2016		7710.0000	*	100.0000
Boron, Total	ug/L	MW-7S	12/01/2016		9530.0000	*	100.0000
Boron, Total	ug/L	MW-7S	01/30/2017		9850.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/25/2017		8800.0000	*	100.0000
Boron, Total	ug/L	MW-7S	08/10/2017		8210.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/27/2017		8140.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/23/2018		5570.0000	*	100.0000
Boron, Total	ug/L	MW-7S	09/11/2018		1330.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/07/2019		2750.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/07/2020		744.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/11/2020		545.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/17/2021		1520.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/18/2021		1180.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/12/2022		1400.0000	*	100.0000
Boron, Total	ug/L	MW-7S	11/16/2022		1490.0000	*	100.0000
Boron, Total	ug/L	MW-7S	05/03/2023		2420.0000	*	100.0000
Boron, Total	ug/L	MW-7S	10/09/2023		2660.0000	*	100.0000
Boron, Total	ug/L	MW-7S	04/10/2024		4290.0000	*	100.0000
Boron, Total	ug/L	MW-7S	10/15/2024		2070.0000	*	100.0000
Boron, Total	ug/L	MW-7S	04/09/2025		2550.0000	*	100.0000
Boron, Total	ug/L	MW-8S	04/20/2016		199.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/31/2016		239.0000	*	100.0000
Boron, Total	ug/L	MW-8S	08/11/2016		150.0000	*	100.0000
Boron, Total	ug/L	MW-8S	09/29/2016		174.0000	*	100.0000
Boron, Total	ug/L	MW-8S	12/01/2016		184.0000	*	100.0000
Boron, Total	ug/L	MW-8S	01/30/2017		154.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/25/2017		121.0000	*	100.0000
Boron, Total	ug/L	MW-8S	08/10/2017		124.0000	*	100.0000
Boron, Total	ug/L	MW-8S	09/27/2017		114.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/22/2018		161.0000	*	100.0000
Boron, Total	ug/L	MW-8S	09/12/2018		902.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/07/2019		1520.0000	*	100.0000
Boron, Total	ug/L	MW-8S	11/13/2019		952.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/07/2020		410.0000	*	100.0000
Boron, Total	ug/L	MW-8S	11/19/2020		2380.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/12/2021		1590.0000	*	100.0000
Boron, Total	ug/L	MW-8S	11/18/2021		625.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/12/2022		723.0000	*	100.0000
Boron, Total	ug/L	MW-8S	05/03/2023		1320.0000	*	100.0000
Boron, Total	ug/L	MW-8S	04/04/2024		570.0000	*	100.0000
Boron, Total	ug/L	MW-8S	10/02/2024		2440.0000	*	100.0000
Boron, Total	ug/L	MW-8S	04/01/2025		2360.0000	*	100.0000
Boron, Total	ug/L	MW-9S	04/21/2016		226.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/31/2016		211.0000	*	100.0000
Boron, Total	ug/L	MW-9S	08/11/2016		173.0000	*	100.0000
Boron, Total	ug/L	MW-9S	09/29/2016		185.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/30/2016		176.0000	*	100.0000
Boron, Total	ug/L	MW-9S	01/30/2017		270.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/24/2017		184.0000	*	100.0000
Boron, Total	ug/L	MW-9S	08/10/2017		239.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-9S	09/27/2017		173.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/21/2018		898.0000	*	100.0000
Boron, Total	ug/L	MW-9S	09/12/2018		1170.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/07/2019		3370.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/13/2019		3220.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/06/2020		2020.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/10/2020		3180.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/13/2021		2790.0000	*	100.0000
Boron, Total	ug/L	MW-9S	11/12/2021		961.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/12/2022		498.0000	*	100.0000
Boron, Total	ug/L	MW-9S	05/08/2023		3150.0000	*	100.0000
Boron, Total	ug/L	MW-9S	10/06/2023		5800.0000	*	100.0000
Boron, Total	ug/L	MW-9S	04/04/2024		662.0000	*	100.0000
Boron, Total	ug/L	MW-9S	10/09/2024		5390.0000	*	100.0000
Boron, Total	ug/L	MW-9S	04/01/2025		4870.0000	*	100.0000
Fluoride	mg/L	MW-10S	04/21/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-10S	05/31/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	08/11/2016		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	09/29/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	11/30/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-10S	01/30/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/24/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	08/09/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/28/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-10S	05/23/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	09/11/2018		0.3600	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2019		0.2400	*	0.1000
Fluoride	mg/L	MW-10S	05/07/2020		0.3000	*	0.1000
Fluoride	mg/L	MW-10S	11/11/2020		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/21/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-10S	11/12/2021		0.2000	*	0.1000
Fluoride	mg/L	MW-10S	05/18/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-10S	05/04/2023		0.1900	*	0.1000
Fluoride	mg/L	MW-10S	04/17/2024		0.1300	*	0.1000
Fluoride	mg/L	MW-10S	04/04/2025		0.1900	*	0.1000
Fluoride	mg/L	MW-11S	04/20/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-11S	06/02/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-11S	08/12/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-11S	09/30/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	12/01/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-11S	01/31/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-11S	05/25/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	08/10/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-11S	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-11S	05/23/2018		0.3000	*	0.1000
Fluoride	mg/L	MW-11S	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11S	05/08/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-11S	05/07/2020		0.2200	*	0.1000
Fluoride	mg/L	MW-11S	11/12/2020		0.2000	*	0.1000
Fluoride	mg/L	MW-11S	05/17/2021		0.1600	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11S	11/17/2021		0.1500	*	0.1000
Fluoride	mg/L	MW-11S	05/12/2022		0.1700	*	0.1000
Fluoride	mg/L	MW-11S	11/21/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-11S	05/02/2023		0.2100	*	0.1000
Fluoride	mg/L	MW-11S	04/09/2024		0.1800	*	0.1000
Fluoride	mg/L	MW-11S	10/15/2024		0.1400	*	0.1000
Fluoride	mg/L	MW-11S	04/03/2025		0.2000	*	0.1000
Fluoride	mg/L	MW-12S	04/20/2016		0.5800	*	0.1000
Fluoride	mg/L	MW-12S	06/01/2016		0.5700	*	0.1000
Fluoride	mg/L	MW-12S	08/11/2016		0.4700	*	0.1000
Fluoride	mg/L	MW-12S	09/29/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-12S	12/01/2016		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	01/30/2017		0.5200	*	0.1000
Fluoride	mg/L	MW-12S	05/25/2017		0.5400	*	0.1000
Fluoride	mg/L	MW-12S	08/10/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-12S	09/27/2017		0.4400	*	0.1000
Fluoride	mg/L	MW-12S	05/23/2018		0.3300	*	0.1000
Fluoride	mg/L	MW-12S	09/12/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2019		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/08/2020		0.2100	*	0.1000
Fluoride	mg/L	MW-12S	11/12/2020		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	05/13/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-12S	11/10/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-12S	05/12/2022		0.2300	*	0.1000
Fluoride	mg/L	MW-12S	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	04/27/2023		0.2400	*	0.1000
Fluoride	mg/L	MW-12S	10/11/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-12S	04/05/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-12S	10/01/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-12S	04/17/2025		0.2400	*	0.1000
Fluoride	mg/L	MW-1S	04/19/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-1S	06/02/2016		0.5200	*	0.1000
Fluoride	mg/L	MW-1S	08/10/2016		0.5500	*	0.1000
Fluoride	mg/L	MW-1S	09/30/2016		0.5100	*	0.1000
Fluoride	mg/L	MW-1S	12/02/2016		0.4900	*	0.1000
Fluoride	mg/L	MW-1S	01/31/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-1S	05/26/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	08/11/2017		0.4700	*	0.1000
Fluoride	mg/L	MW-1S	09/28/2017		0.5300	*	0.1000
Fluoride	mg/L	MW-1S	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1S	09/11/2018		0.2500	*	0.1000
Fluoride	mg/L	MW-1S	05/08/2019		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	11/14/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-1S	05/05/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-1S	11/11/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-1S	05/25/2021	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	11/09/2021		0.1300	*	0.1000
Fluoride	mg/L	MW-1S	05/10/2022		0.1200	*	0.1000
Fluoride	mg/L	MW-1S	11/22/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-1S	04/23/2023		0.1700	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1S	10/11/2023	ND	0.1000		0.1000
Fluoride	mg/L	MW-1S	04/09/2024		0.1100	*	0.1000
Fluoride	mg/L	MW-1S	10/15/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-1S	04/22/2025	ND	0.1000		0.1000
Fluoride	mg/L	MW-26S	03/27/2023		0.1900	*	0.1000
Fluoride	mg/L	MW-26S	05/04/2023		0.3000	*	0.1000
Fluoride	mg/L	MW-26S	07/05/2023		0.3000	*	0.1000
Fluoride	mg/L	MW-26S	10/16/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-26S	04/03/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-26S	10/02/2024		0.3600	*	0.1000
Fluoride	mg/L	MW-26S	04/03/2025		0.4200	*	0.1000
Fluoride	mg/L	MW-2S	04/19/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-2S	06/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2016		0.3700	*	0.1000
Fluoride	mg/L	MW-2S	09/30/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	12/02/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-2S	01/31/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-2S	05/26/2017		0.3500	*	0.1000
Fluoride	mg/L	MW-2S	08/11/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2S	09/27/2017		0.2500	*	0.1000
Fluoride	mg/L	MW-2S	05/22/2018		0.2300	*	0.1000
Fluoride	mg/L	MW-2S	09/11/2018		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	05/09/2019		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	11/14/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-2S	05/08/2020		0.1200	*	0.1000
Fluoride	mg/L	MW-2S	11/11/2020		0.1500	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2021		0.1100	*	0.1000
Fluoride	mg/L	MW-2S	11/10/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	05/11/2022		0.1300	*	0.1000
Fluoride	mg/L	MW-2S	11/15/2022		0.1400	*	0.1000
Fluoride	mg/L	MW-2S	04/18/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	10/10/2023		0.1600	*	0.1000
Fluoride	mg/L	MW-2S	04/05/2024		0.2100	*	0.1000
Fluoride	mg/L	MW-2S	10/07/2024		0.1900	*	0.1000
Fluoride	mg/L	MW-2S	04/14/2025		0.2200	*	0.1000
Fluoride	mg/L	MW-3S	04/20/2016		0.2600	*	0.1000
Fluoride	mg/L	MW-3S	06/01/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	08/11/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	12/02/2016		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	01/31/2017		0.2400	*	0.1000
Fluoride	mg/L	MW-3S	05/25/2017		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	08/11/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	09/27/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3S	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3S	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	05/09/2019		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/13/2019		0.3900	*	0.1000
Fluoride	mg/L	MW-3S	05/05/2020		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	11/10/2020		0.3900	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-3S	05/12/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	11/18/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-3S	05/11/2022		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	11/16/2022		0.3000	*	0.1000
Fluoride	mg/L	MW-3S	04/18/2023		0.2000	*	0.1000
Fluoride	mg/L	MW-3S	10/09/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-3S	04/05/2024		0.3300	*	0.1000
Fluoride	mg/L	MW-3S	10/07/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-3S	04/18/2025		0.1900	*	0.1000
Fluoride	mg/L	MW-4S	04/20/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-4S	06/01/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-4S	08/11/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	09/29/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	12/01/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	01/31/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-4S	05/25/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-4S	08/10/2017		0.2600	*	0.1000
Fluoride	mg/L	MW-4S	09/28/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-4S	05/22/2018		0.2600	*	0.1000
Fluoride	mg/L	MW-4S	09/12/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-4S	05/07/2019		0.2000	*	0.1000
Fluoride	mg/L	MW-4S	11/13/2019		0.4200	*	0.1000
Fluoride	mg/L	MW-4S	05/06/2020		0.5500	*	0.1000
Fluoride	mg/L	MW-4S	11/10/2020		0.4200	*	0.1000
Fluoride	mg/L	MW-4S	05/21/2021		0.3300	*	0.1000
Fluoride	mg/L	MW-4S	11/17/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-4S	05/10/2022		0.2700	*	0.1000
Fluoride	mg/L	MW-4S	11/28/2022		0.3500	*	0.1000
Fluoride	mg/L	MW-4S	04/25/2023		0.2100	*	0.1000
Fluoride	mg/L	MW-4S	10/12/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-4S	04/09/2024		0.2600	*	0.1000
Fluoride	mg/L	MW-4S	10/11/2024		0.4000	*	0.1000
Fluoride	mg/L	MW-4S	04/14/2025		0.3500	*	0.1000
Fluoride	mg/L	MW-6S	04/20/2016		0.2400	*	0.1000
Fluoride	mg/L	MW-6S	06/01/2016		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	08/11/2016		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	09/29/2016		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	12/01/2016		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	01/30/2017		0.2200	*	0.1000
Fluoride	mg/L	MW-6S	05/25/2017		0.2000	*	0.1000
Fluoride	mg/L	MW-6S	08/10/2017		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	09/27/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/22/2018		0.1600	*	0.1000
Fluoride	mg/L	MW-6S	09/11/2018		0.2100	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/13/2019		0.2300	*	0.1000
Fluoride	mg/L	MW-6S	05/08/2020		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	11/19/2020		0.2600	*	0.1000
Fluoride	mg/L	MW-6S	05/18/2021		0.1900	*	0.1000
Fluoride	mg/L	MW-6S	11/09/2021		0.2500	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6S	05/11/2022		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	05/01/2023		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	04/04/2024		0.1700	*	0.1000
Fluoride	mg/L	MW-6S	10/03/2024		0.2500	*	0.1000
Fluoride	mg/L	MW-6S	04/10/2025		0.2900	*	0.1000
Fluoride	mg/L	MW-8S	04/20/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-8S	05/31/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-8S	08/11/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-8S	09/29/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-8S	12/01/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-8S	01/30/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-8S	05/25/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-8S	08/10/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-8S	09/27/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-8S	05/22/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-8S	09/12/2018		0.2400	*	0.1000
Fluoride	mg/L	MW-8S	05/07/2019		0.1900	*	0.1000
Fluoride	mg/L	MW-8S	11/13/2019		0.2800	*	0.1000
Fluoride	mg/L	MW-8S	05/07/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-8S	11/19/2020		0.3000	*	0.1000
Fluoride	mg/L	MW-8S	05/12/2021		0.4400	*	0.1000
Fluoride	mg/L	MW-8S	11/18/2021		0.3900	*	0.1000
Fluoride	mg/L	MW-8S	05/12/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-8S	05/03/2023		0.3000	*	0.1000
Fluoride	mg/L	MW-8S	04/04/2024		0.1400	*	0.1000
Fluoride	mg/L	MW-8S	10/02/2024		0.5700	*	0.1000
Fluoride	mg/L	MW-8S	04/01/2025		0.3700	*	0.1000
Fluoride	mg/L	MW-9S	04/21/2016		0.1600	*	0.1000
Fluoride	mg/L	MW-9S	05/31/2016		0.1500	*	0.1000
Fluoride	mg/L	MW-9S	08/11/2016		0.2300	*	0.1000
Fluoride	mg/L	MW-9S	09/29/2016		0.2400	*	0.1000
Fluoride	mg/L	MW-9S	11/30/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-9S	01/30/2017		0.1400	*	0.1000
Fluoride	mg/L	MW-9S	05/24/2017		0.2300	*	0.1000
Fluoride	mg/L	MW-9S	08/10/2017		0.1800	*	0.1000
Fluoride	mg/L	MW-9S	09/27/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-9S	05/21/2018		0.1700	*	0.1000
Fluoride	mg/L	MW-9S	09/12/2018		0.1500	*	0.1000
Fluoride	mg/L	MW-9S	05/07/2019		0.1700	*	0.1000
Fluoride	mg/L	MW-9S	11/13/2019		0.4100	*	0.1000
Fluoride	mg/L	MW-9S	05/06/2020		0.4300	*	0.1000
Fluoride	mg/L	MW-9S	11/10/2020		0.3900	*	0.1000
Fluoride	mg/L	MW-9S	05/13/2021		0.4200	*	0.1000
Fluoride	mg/L	MW-9S	11/12/2021		0.3300	*	0.1000
Fluoride	mg/L	MW-9S	05/12/2022		0.1800	*	0.1000
Fluoride	mg/L	MW-9S	05/08/2023		0.6500	*	0.1000
Fluoride	mg/L	MW-9S	10/06/2023		0.6100	*	0.1000
Fluoride	mg/L	MW-9S	04/04/2024		0.1200	*	0.1000
Fluoride	mg/L	MW-9S	10/09/2024		0.5800	*	0.1000
Fluoride	mg/L	MW-9S	04/01/2025		0.5200	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-10S	04/21/2016		124.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/31/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/11/2016		100.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/29/2016		99.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/30/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	01/30/2017		102.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/24/2017		110.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/09/2017		102.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/23/2018		91.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/11/2018		74.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/07/2019		98.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/07/2020		114.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/11/2020		96.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/21/2021		96.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/12/2021		93.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/18/2022		108.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/04/2023		88.7000	*	20.0000
Lithium, Total	ug/L	MW-10S	04/17/2024		72.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	04/04/2025		95.3000	*	20.0000
Lithium, Total	ug/L	MW-11S	04/20/2016		115.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	06/02/2016		119.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	08/12/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	09/30/2016		104.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	12/01/2016		99.6000	*	20.0000
Lithium, Total	ug/L	MW-11S	01/31/2017		101.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/25/2017		103.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	08/10/2017		108.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/23/2018		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	09/11/2018		109.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/08/2019		111.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/07/2020		111.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	11/12/2020		136.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/17/2021		114.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	11/17/2021		122.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/12/2022		99.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	11/21/2022		142.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	05/02/2023		51.4000	*	20.0000
Lithium, Total	ug/L	MW-11S	04/09/2024		43.1000	*	20.0000
Lithium, Total	ug/L	MW-11S	10/15/2024		93.0000	*	20.0000
Lithium, Total	ug/L	MW-11S	04/03/2025		82.2000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/20/2016		94.5000	*	20.0000
Lithium, Total	ug/L	MW-12S	06/01/2016		91.7000	*	20.0000
Lithium, Total	ug/L	MW-12S	08/11/2016		82.1000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/29/2016		83.5000	*	20.0000
Lithium, Total	ug/L	MW-12S	12/01/2016		94.9000	*	20.0000
Lithium, Total	ug/L	MW-12S	01/30/2017		80.6000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/25/2017		90.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	08/10/2017		91.1000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/23/2018		105.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/12/2018		86.2000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-12S	05/08/2019		97.3000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/08/2020		117.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/12/2020		126.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/13/2021		113.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/10/2021		129.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/12/2022		117.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/15/2022		138.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/27/2023		97.7000	*	20.0000
Lithium, Total	ug/L	MW-12S	10/11/2023		129.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/05/2024		138.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	10/01/2024		113.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/17/2025		95.5000	*	20.0000
Lithium, Total	ug/L	MW-1S	04/19/2016		100.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	06/02/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	08/10/2016		107.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	09/30/2016		92.2000	*	20.0000
Lithium, Total	ug/L	MW-1S	12/02/2016		93.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	01/31/2017		98.9000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/26/2017		104.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	08/11/2017		111.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/23/2018		128.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	09/11/2018		90.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/08/2019		83.4000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/14/2019		115.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/05/2020		124.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/11/2020		114.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/25/2021		70.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/09/2021		99.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	05/10/2022		102.0000	*	20.0000
Lithium, Total	ug/L	MW-1S	11/22/2022		83.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	04/23/2023		64.5000	*	20.0000
Lithium, Total	ug/L	MW-1S	10/11/2023		77.8000	*	20.0000
Lithium, Total	ug/L	MW-1S	04/09/2024		53.3000	*	20.0000
Lithium, Total	ug/L	MW-1S	10/15/2024		71.9000	*	20.0000
Lithium, Total	ug/L	MW-1S	04/22/2025		65.4000	*	20.0000
Lithium, Total	ug/L	MW-26S	03/27/2023		113.0000	*	20.0000
Lithium, Total	ug/L	MW-26S	05/04/2023		87.6000	*	20.0000
Lithium, Total	ug/L	MW-26S	07/05/2023		56.3000	*	20.0000
Lithium, Total	ug/L	MW-26S	10/16/2023		94.6000	*	20.0000
Lithium, Total	ug/L	MW-26S	04/03/2024		118.0000	*	20.0000
Lithium, Total	ug/L	MW-26S	10/02/2024		83.2000	*	20.0000
Lithium, Total	ug/L	MW-26S	04/03/2025		99.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/19/2016		86.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	06/01/2016		79.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/11/2016		79.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/30/2016		88.8000	*	20.0000
Lithium, Total	ug/L	MW-2S	12/02/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	01/31/2017		91.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/26/2017		101.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/11/2017		100.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-2S	05/22/2018		107.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/11/2018		78.7000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/09/2019		102.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/14/2019		91.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/08/2020		92.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/11/2020		74.8000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/11/2021		42.3000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/10/2021		63.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/11/2022		52.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/15/2022		49.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/18/2023		38.8000	*	20.0000
Lithium, Total	ug/L	MW-2S	10/10/2023		35.7000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/05/2024		34.4000	*	20.0000
Lithium, Total	ug/L	MW-2S	10/07/2024		36.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/14/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	04/20/2016		89.6000	*	20.0000
Lithium, Total	ug/L	MW-3S	06/01/2016		90.5000	*	20.0000
Lithium, Total	ug/L	MW-3S	08/11/2016		67.5000	*	20.0000
Lithium, Total	ug/L	MW-3S	09/30/2016		83.8000	*	20.0000
Lithium, Total	ug/L	MW-3S	12/02/2016		66.9000	*	20.0000
Lithium, Total	ug/L	MW-3S	01/31/2017		61.4000	*	20.0000
Lithium, Total	ug/L	MW-3S	05/25/2017		55.7000	*	20.0000
Lithium, Total	ug/L	MW-3S	08/11/2017		50.6000	*	20.0000
Lithium, Total	ug/L	MW-3S	05/22/2018		25.3000	*	20.0000
Lithium, Total	ug/L	MW-3S	09/11/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	05/09/2019		29.8000	*	20.0000
Lithium, Total	ug/L	MW-3S	11/13/2019	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	05/05/2020		24.3000	*	20.0000
Lithium, Total	ug/L	MW-3S	11/10/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	05/12/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	11/18/2021		26.4000	*	20.0000
Lithium, Total	ug/L	MW-3S	05/11/2022		24.7000	*	20.0000
Lithium, Total	ug/L	MW-3S	11/16/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	04/18/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	10/09/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	04/05/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	10/07/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-3S	04/18/2025		20.0000	**	20.0000
Lithium, Total	ug/L	MW-4S	04/20/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	06/01/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	08/11/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	09/29/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	12/01/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	01/31/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/25/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	08/10/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/22/2018		95.5000	*	20.0000
Lithium, Total	ug/L	MW-4S	09/12/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/07/2019		67.5000	*	20.0000
Lithium, Total	ug/L	MW-4S	11/13/2019		133.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-4S	05/06/2020		108.0000	*	20.0000
Lithium, Total	ug/L	MW-4S	11/10/2020		143.0000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/21/2021		51.3000	*	20.0000
Lithium, Total	ug/L	MW-4S	11/17/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/10/2022		27.9000	*	20.0000
Lithium, Total	ug/L	MW-4S	11/28/2022		65.8000	*	20.0000
Lithium, Total	ug/L	MW-4S	04/25/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	10/12/2023		156.0000	*	20.0000
Lithium, Total	ug/L	MW-4S	04/09/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	10/11/2024		153.0000	*	20.0000
Lithium, Total	ug/L	MW-4S	04/14/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-6S	04/20/2016		75.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	06/01/2016		70.9000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/11/2016		73.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/29/2016		76.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	12/01/2016		82.1000	*	20.0000
Lithium, Total	ug/L	MW-6S	01/30/2017		79.3000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/25/2017		68.7000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/10/2017		53.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/22/2018		68.8000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/11/2018		69.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/08/2019		21.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/13/2019		77.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/08/2020		79.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/19/2020		91.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/18/2021		99.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/09/2021		91.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/11/2022		68.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/01/2023		52.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	04/04/2024		107.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	10/03/2024		90.7000	*	20.0000
Lithium, Total	ug/L	MW-6S	04/10/2025		21.2000	*	20.0000
Lithium, Total	ug/L	MW-7S	04/20/2016		126.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	06/01/2016		162.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/11/2016		170.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/29/2016		164.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	12/01/2016		166.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	01/30/2017		148.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/25/2017		149.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/10/2017		153.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/23/2018		136.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/11/2018		103.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/07/2019		30.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/07/2020		31.2000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/11/2020		25.6000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/17/2021		31.1000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/18/2021		31.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/12/2022		31.6000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/16/2022		30.9000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/03/2023		37.6000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-7S	10/09/2023		54.4000	*	20.0000
Lithium, Total	ug/L	MW-7S	04/10/2024		87.6000	*	20.0000
Lithium, Total	ug/L	MW-7S	10/15/2024		67.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	04/09/2025		62.1000	*	20.0000
Lithium, Total	ug/L	MW-8S	04/20/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	05/31/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	08/11/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	09/29/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	12/01/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	01/30/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	05/25/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	08/10/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	05/22/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	09/12/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	05/07/2019		44.1000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/13/2019		28.5000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/07/2020		20.2000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/19/2020		64.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/12/2021		50.1000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/18/2021		32.2000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/12/2022		26.2000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/03/2023		46.4000	*	20.0000
Lithium, Total	ug/L	MW-8S	04/04/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-8S	10/02/2024		75.3000	*	20.0000
Lithium, Total	ug/L	MW-8S	04/01/2025		71.7000	*	20.0000
Lithium, Total	ug/L	MW-9S	04/21/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	05/31/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	08/11/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	09/29/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	11/30/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	01/30/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	05/24/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	08/10/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	05/21/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	09/12/2018		33.5000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/07/2019		81.2000	*	20.0000
Lithium, Total	ug/L	MW-9S	11/13/2019		89.8000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/06/2020		61.3000	*	20.0000
Lithium, Total	ug/L	MW-9S	11/10/2020		109.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/13/2021		79.1000	*	20.0000
Lithium, Total	ug/L	MW-9S	11/12/2021		31.9000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/12/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	05/08/2023		89.9000	*	20.0000
Lithium, Total	ug/L	MW-9S	10/06/2023		166.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	04/04/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9S	10/09/2024		155.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	04/01/2025		155.0000	*	20.0000
Molybdenum, Total	ug/L	MW-10S	04/21/2016		155.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/31/2016		174.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/11/2016		204.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-10S	09/29/2016		223.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/30/2016		202.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	01/30/2017		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/24/2017		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/09/2017		182.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/23/2018		168.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/11/2018		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/07/2019		86.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/07/2020		98.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/11/2020		90.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/21/2021		91.8000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/12/2021		77.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/18/2022		60.3000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/04/2023		55.3000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	04/17/2024		45.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	04/04/2025		49.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	04/20/2016		181.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	06/02/2016		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/12/2016		256.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	09/30/2016		266.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	12/01/2016		334.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	01/31/2017		224.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/25/2017		248.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/10/2017		268.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/23/2018		269.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	09/11/2018		242.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/08/2019		147.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/07/2020		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/12/2020		74.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/17/2021		69.3000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/17/2021		75.2000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/12/2022		75.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/21/2022		56.4000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/02/2023		56.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	04/09/2024		72.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	10/15/2024		25.9000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	04/03/2025		32.8000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/20/2016		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	06/01/2016		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/11/2016		136.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	09/29/2016		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	12/01/2016		154.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	01/30/2017		98.5000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/25/2017		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/10/2017		83.2000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/23/2018		51.5000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	09/12/2018		77.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/08/2019		42.4000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/08/2020		50.4000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/12/2020		63.8000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-12S	05/13/2021		69.5000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/10/2021		33.8000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/12/2022		21.9000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/15/2022		36.4000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/27/2023		35.9000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	10/11/2023		15.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/05/2024		28.6000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	10/01/2024		19.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/17/2025		43.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/19/2016		32.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	06/02/2016		71.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/10/2016		91.3000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/30/2016		71.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	12/02/2016		68.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	01/31/2017		41.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/26/2017		36.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/11/2017		67.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/23/2018		57.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/11/2018		33.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/08/2019		15.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/14/2019		55.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/05/2020		39.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/11/2020		55.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/25/2021		19.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/09/2021		24.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/10/2022		24.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/22/2022		30.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/23/2023		13.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	10/11/2023		32.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/09/2024		13.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	10/15/2024		40.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/22/2025		17.8000	*	10.0000
Molybdenum, Total	ug/L	MW-26S	03/27/2023		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26S	05/04/2023		131.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26S	07/05/2023		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26S	10/16/2023		113.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26S	04/03/2024		187.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26S	10/02/2024		151.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26S	04/03/2025		199.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	04/19/2016		69.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	06/01/2016		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/11/2016		62.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/30/2016		48.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	12/02/2016		21.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	01/31/2017		60.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/26/2017		58.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/11/2017		59.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/22/2018		19.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/11/2018		15.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/09/2019		10.3000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-2S	11/14/2019		11.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/08/2020	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	11/11/2020	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	05/11/2021		13.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/10/2021		10.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/11/2022		13.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/15/2022	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	04/18/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	10/10/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-2S	04/05/2024		13.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	10/07/2024		11.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	04/14/2025		18.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/20/2016		54.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	06/01/2016		68.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/11/2016		48.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/30/2016		41.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	12/02/2016		39.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	01/31/2017		45.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/25/2017		43.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/11/2017		49.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/22/2018		39.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/11/2018		38.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/09/2019		38.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/13/2019		64.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/05/2020		61.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/10/2020		77.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/12/2021		56.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/18/2021		47.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/11/2022		52.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/16/2022		53.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/18/2023		21.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	10/09/2023		43.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/05/2024		44.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	10/07/2024		40.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/18/2025		20.8000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	04/20/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	06/01/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	08/11/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	09/29/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	12/01/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	01/31/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	05/25/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	08/10/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4S	05/22/2018		73.4000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	09/12/2018		50.3000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	05/07/2019		97.8000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	11/13/2019		319.0000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	05/06/2020		159.0000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	11/10/2020		264.0000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	05/21/2021		60.1000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-4S	11/17/2021		46.1000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	05/10/2022		45.7000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	11/28/2022		80.2000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	04/25/2023		32.7000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	10/12/2023		126.0000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	04/09/2024		34.3000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	10/11/2024		239.0000	*	10.0000
Molybdenum, Total	ug/L	MW-4S	04/14/2025		87.2000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	04/20/2016		93.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	06/01/2016		101.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/11/2016		116.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/29/2016		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	12/01/2016		127.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	01/30/2017		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/25/2017		77.9000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/10/2017		85.9000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/22/2018		80.1000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/11/2018		143.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/08/2019		39.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/13/2019		144.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/08/2020		90.7000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/19/2020		164.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/18/2021		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/09/2021		161.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/11/2022		81.4000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/01/2023		83.8000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	04/04/2024		91.8000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	10/03/2024		83.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	04/10/2025		86.1000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	04/20/2016		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	06/01/2016		195.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/11/2016		202.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/29/2016		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	12/01/2016		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	01/30/2017		183.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/25/2017		187.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/10/2017		192.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/23/2018		195.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/11/2018		121.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/07/2019		39.2000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/07/2020		42.2000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/11/2020		45.6000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/17/2021		39.9000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/18/2021		72.9000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/12/2022		45.6000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/16/2022		42.8000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/03/2023		27.8000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	10/09/2023		28.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	04/10/2024		23.4000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	10/15/2024		21.9000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-7S	04/09/2025		18.9000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	04/20/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-8S	05/31/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-8S	08/11/2016		10.3000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	09/29/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-8S	12/01/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-8S	01/30/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-8S	05/25/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-8S	08/10/2017		12.4000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/22/2018		13.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	09/12/2018		23.9000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/07/2019		36.3000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/13/2019		49.1000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/07/2020		39.1000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/19/2020		95.7000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/12/2021		139.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/18/2021		79.6000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/12/2022		25.6000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/03/2023		69.3000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	04/04/2024	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-8S	10/02/2024		155.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	04/01/2025		129.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	04/21/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	05/31/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	08/11/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	09/29/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	11/30/2016	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	01/30/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	05/24/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	08/10/2017	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	05/21/2018	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	09/12/2018	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9S	05/07/2019		77.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	11/13/2019		152.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/06/2020		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	11/10/2020		156.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/13/2021		179.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	11/12/2021		69.4000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/12/2022		21.1000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/08/2023		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	10/06/2023		323.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	04/04/2024		17.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	10/09/2024		300.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	04/01/2025		288.0000	*	10.0000
Selenium, Total	ug/L	MW-10S	04/21/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	05/31/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	11/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	01/30/2017	ND	10.0000		1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-10S	05/24/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	08/09/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-10S	05/23/2018		2.8000	*	1.0000
Selenium, Total	ug/L	MW-10S	09/11/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-10S	05/07/2019		1.3000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/07/2020		12.5000	*	1.0000
Selenium, Total	ug/L	MW-10S	11/11/2020		1.8000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/21/2021		1.1000	*	1.0000
Selenium, Total	ug/L	MW-10S	11/12/2021		1.8000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/18/2022		2.1000	*	1.0000
Selenium, Total	ug/L	MW-10S	05/04/2023		2.2000	*	1.0000
Selenium, Total	ug/L	MW-10S	04/17/2024		36.3000	*	1.0000
Selenium, Total	ug/L	MW-10S	04/04/2025		21.9000	*	1.0000
Selenium, Total	ug/L	MW-11S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	06/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	08/12/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	09/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	01/31/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-11S	05/23/2018		6.0000	*	1.0000
Selenium, Total	ug/L	MW-11S	09/11/2018		9.3000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/08/2019		8.9000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/07/2020		11.8000	*	1.0000
Selenium, Total	ug/L	MW-11S	11/12/2020		2.6000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/17/2021		11.1000	*	1.0000
Selenium, Total	ug/L	MW-11S	11/17/2021		8.6000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/12/2022		10.4000	*	1.0000
Selenium, Total	ug/L	MW-11S	11/21/2022		13.9000	*	1.0000
Selenium, Total	ug/L	MW-11S	05/02/2023		11.3000	*	1.0000
Selenium, Total	ug/L	MW-11S	04/09/2024		10.6000	*	1.0000
Selenium, Total	ug/L	MW-11S	10/15/2024		24.4000	*	1.0000
Selenium, Total	ug/L	MW-11S	04/03/2025		12.0000	*	1.0000
Selenium, Total	ug/L	MW-12S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	01/30/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-12S	05/23/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-12S	09/12/2018		2.0000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/08/2019		30.3000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/08/2020		41.6000	*	1.0000
Selenium, Total	ug/L	MW-12S	11/12/2020		16.7000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/13/2021		12.4000	*	1.0000
Selenium, Total	ug/L	MW-12S	11/10/2021		15.3000	*	1.0000
Selenium, Total	ug/L	MW-12S	05/12/2022		16.2000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-12S	11/15/2022		32.4000	*	1.0000
Selenium, Total	ug/L	MW-12S	04/27/2023		8.3000	*	1.0000
Selenium, Total	ug/L	MW-12S	10/11/2023		23.7000	*	1.0000
Selenium, Total	ug/L	MW-12S	04/05/2024		21.2000	*	1.0000
Selenium, Total	ug/L	MW-12S	10/01/2024		21.7000	*	1.0000
Selenium, Total	ug/L	MW-12S	04/17/2025		9.2000	*	1.0000
Selenium, Total	ug/L	MW-1S	04/19/2016		16.8000	*	1.0000
Selenium, Total	ug/L	MW-1S	06/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-1S	08/10/2016		14.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	09/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-1S	12/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-1S	01/31/2017		16.2000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/26/2017		15.7000	*	1.0000
Selenium, Total	ug/L	MW-1S	08/11/2017		11.2000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/23/2018		23.5000	*	1.0000
Selenium, Total	ug/L	MW-1S	09/11/2018		10.7000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/08/2019		21.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/14/2019		6.9000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/05/2020		9.6000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/11/2020		6.6000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/25/2021		24.4000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/09/2021		21.7000	*	1.0000
Selenium, Total	ug/L	MW-1S	05/10/2022		19.8000	*	1.0000
Selenium, Total	ug/L	MW-1S	11/22/2022		28.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	04/23/2023		28.2000	*	1.0000
Selenium, Total	ug/L	MW-1S	10/11/2023		16.0000	*	1.0000
Selenium, Total	ug/L	MW-1S	04/09/2024		17.9000	*	1.0000
Selenium, Total	ug/L	MW-1S	10/15/2024		9.5000	*	1.0000
Selenium, Total	ug/L	MW-1S	04/22/2025		16.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	04/19/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	09/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	12/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	01/31/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	05/26/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	08/11/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-2S	05/22/2018		2.4000	*	1.0000
Selenium, Total	ug/L	MW-2S	09/11/2018		2.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/09/2019		21.9000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/14/2019		11.4000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/08/2020		97.6000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/11/2020		9.6000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/11/2021		5.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/10/2021		28.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	05/11/2022		23.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	11/15/2022		7.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	04/18/2023		25.7000	*	1.0000
Selenium, Total	ug/L	MW-2S	10/10/2023		4.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	04/05/2024		3.1000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-2S	10/07/2024		4.5000	*	1.0000
Selenium, Total	ug/L	MW-2S	04/14/2025		12.1000	*	1.0000
Selenium, Total	ug/L	MW-3S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-3S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-3S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-3S	09/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-3S	12/02/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-3S	01/31/2017		10.7000	*	1.0000
Selenium, Total	ug/L	MW-3S	05/25/2017		13.9000	*	1.0000
Selenium, Total	ug/L	MW-3S	08/11/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-3S	05/22/2018		1.1000	*	1.0000
Selenium, Total	ug/L	MW-3S	09/11/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	05/09/2019		8.1000	*	1.0000
Selenium, Total	ug/L	MW-3S	11/13/2019	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	05/05/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	11/10/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	05/12/2021	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	11/18/2021		5.9000	*	1.0000
Selenium, Total	ug/L	MW-3S	05/11/2022		17.9000	*	1.0000
Selenium, Total	ug/L	MW-3S	11/16/2022		1.8000	*	1.0000
Selenium, Total	ug/L	MW-3S	04/18/2023		7.3000	*	1.0000
Selenium, Total	ug/L	MW-3S	10/09/2023	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	04/05/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	10/07/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3S	04/18/2025		8.5000	*	1.0000
Selenium, Total	ug/L	MW-4S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	01/31/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-4S	05/22/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	09/12/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	05/07/2019	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	11/13/2019	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	05/06/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	11/10/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	05/21/2021		1.3000	*	1.0000
Selenium, Total	ug/L	MW-4S	11/17/2021		3.3000	*	1.0000
Selenium, Total	ug/L	MW-4S	05/10/2022	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	11/28/2022	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4S	04/25/2023		2.1000	*	1.0000
Selenium, Total	ug/L	MW-4S	10/12/2023		3.8000	*	1.0000
Selenium, Total	ug/L	MW-4S	04/09/2024		1.1000	*	1.0000
Selenium, Total	ug/L	MW-4S	10/11/2024		5.1000	*	1.0000
Selenium, Total	ug/L	MW-4S	04/14/2025		1.7000	*	1.0000
Selenium, Total	ug/L	MW-6S	04/20/2016		15.5000	*	1.0000
Selenium, Total	ug/L	MW-6S	06/01/2016		12.4000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-6S	08/11/2016		11.0000	*	1.0000
Selenium, Total	ug/L	MW-6S	09/29/2016		12.0000	*	1.0000
Selenium, Total	ug/L	MW-6S	12/01/2016		12.9000	*	1.0000
Selenium, Total	ug/L	MW-6S	01/30/2017		14.0000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/25/2017		12.3000	*	1.0000
Selenium, Total	ug/L	MW-6S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-6S	05/22/2018		11.8000	*	1.0000
Selenium, Total	ug/L	MW-6S	09/11/2018		1.2000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/08/2019		6.5000	*	1.0000
Selenium, Total	ug/L	MW-6S	11/13/2019		6.9000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/08/2020		14.8000	*	1.0000
Selenium, Total	ug/L	MW-6S	11/19/2020		9.7000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/18/2021		14.2000	*	1.0000
Selenium, Total	ug/L	MW-6S	11/09/2021		2.2000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/11/2022		16.8000	*	1.0000
Selenium, Total	ug/L	MW-6S	05/01/2023		36.4000	*	1.0000
Selenium, Total	ug/L	MW-6S	04/04/2024		29.3000	*	1.0000
Selenium, Total	ug/L	MW-6S	10/03/2024		45.2000	*	1.0000
Selenium, Total	ug/L	MW-6S	04/10/2025		2.9000	*	1.0000
Selenium, Total	ug/L	MW-7S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	06/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	01/30/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-7S	05/23/2018		6.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	09/11/2018		12.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/07/2019		6.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/07/2020		19.2000	*	1.0000
Selenium, Total	ug/L	MW-7S	11/11/2020		12.0000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/17/2021		22.7000	*	1.0000
Selenium, Total	ug/L	MW-7S	11/18/2021		40.6000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/12/2022		25.8000	*	1.0000
Selenium, Total	ug/L	MW-7S	11/16/2022		17.7000	*	1.0000
Selenium, Total	ug/L	MW-7S	05/03/2023		22.5000	*	1.0000
Selenium, Total	ug/L	MW-7S	10/09/2023		26.8000	*	1.0000
Selenium, Total	ug/L	MW-7S	04/10/2024		20.8000	*	1.0000
Selenium, Total	ug/L	MW-7S	10/15/2024		20.3000	*	1.0000
Selenium, Total	ug/L	MW-7S	04/09/2025		15.9000	*	1.0000
Selenium, Total	ug/L	MW-8S	04/20/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/31/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	12/01/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	01/30/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/25/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/22/2018	ND	1.0000		1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

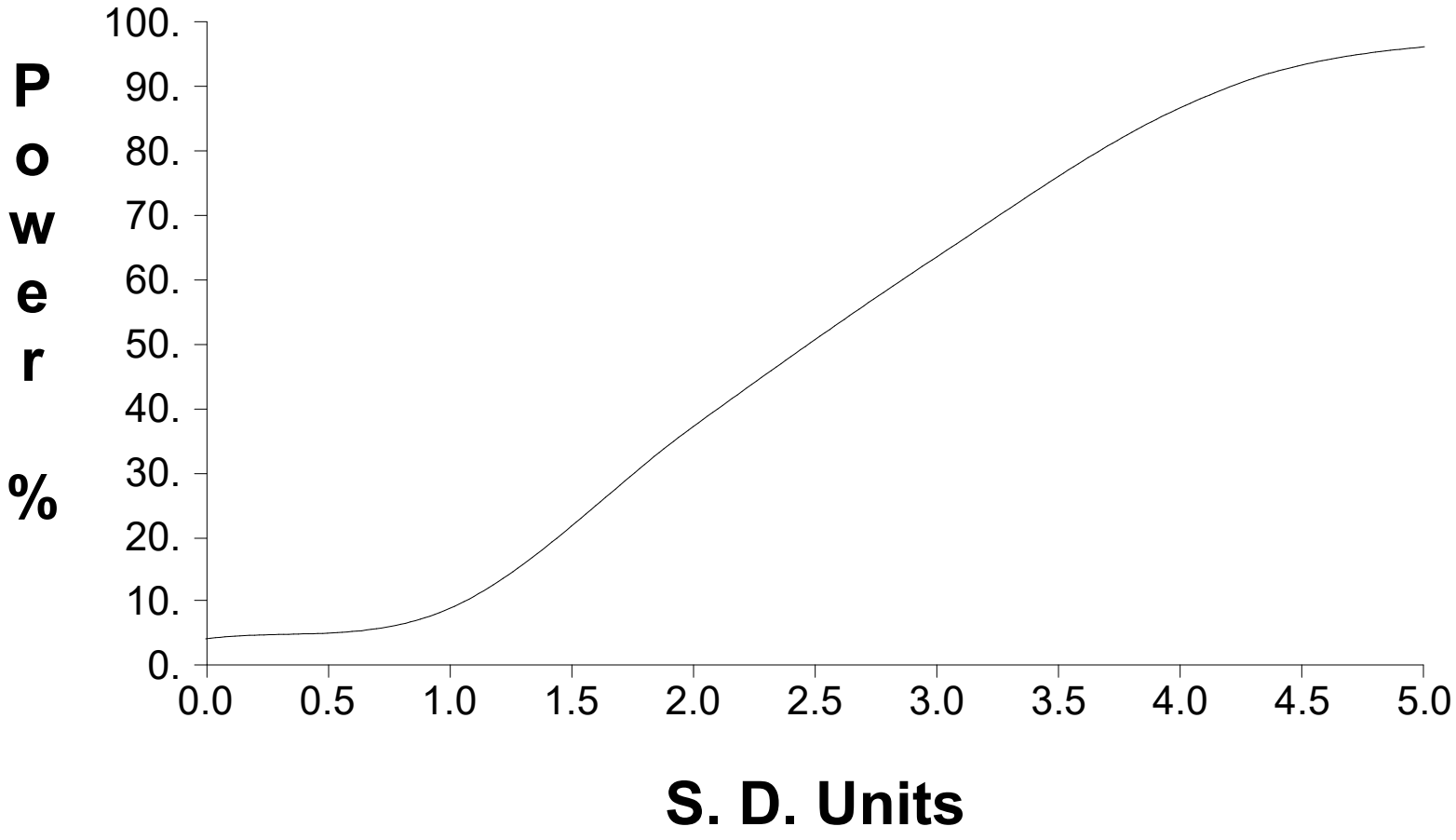
Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-8S	09/12/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/07/2019	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	11/13/2019	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/07/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	11/19/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/12/2021	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	11/18/2021	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/12/2022	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	05/03/2023	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	04/04/2024		2.8000	*	1.0000
Selenium, Total	ug/L	MW-8S	10/02/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-8S	04/01/2025		1.1000	*	1.0000
Selenium, Total	ug/L	MW-9S	04/21/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	05/31/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	08/11/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	09/29/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	11/30/2016	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	01/30/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	05/24/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	08/10/2017	ND	10.0000		1.0000
Selenium, Total	ug/L	MW-9S	05/21/2018	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-9S	09/12/2018		1.2000	*	1.0000
Selenium, Total	ug/L	MW-9S	05/07/2019		1.2000	*	1.0000
Selenium, Total	ug/L	MW-9S	11/13/2019	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-9S	05/06/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-9S	11/10/2020	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-9S	05/13/2021		1.4000	*	1.0000
Selenium, Total	ug/L	MW-9S	11/12/2021		2.6000	*	1.0000
Selenium, Total	ug/L	MW-9S	05/12/2022		1.5000	*	1.0000
Selenium, Total	ug/L	MW-9S	05/08/2023		2.1000	*	1.0000
Selenium, Total	ug/L	MW-9S	10/06/2023		4.8000	*	1.0000
Selenium, Total	ug/L	MW-9S	04/04/2024		2.6000	*	1.0000
Selenium, Total	ug/L	MW-9S	10/09/2024		5.7000	*	1.0000
Selenium, Total	ug/L	MW-9S	04/01/2025		5.7000	*	1.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

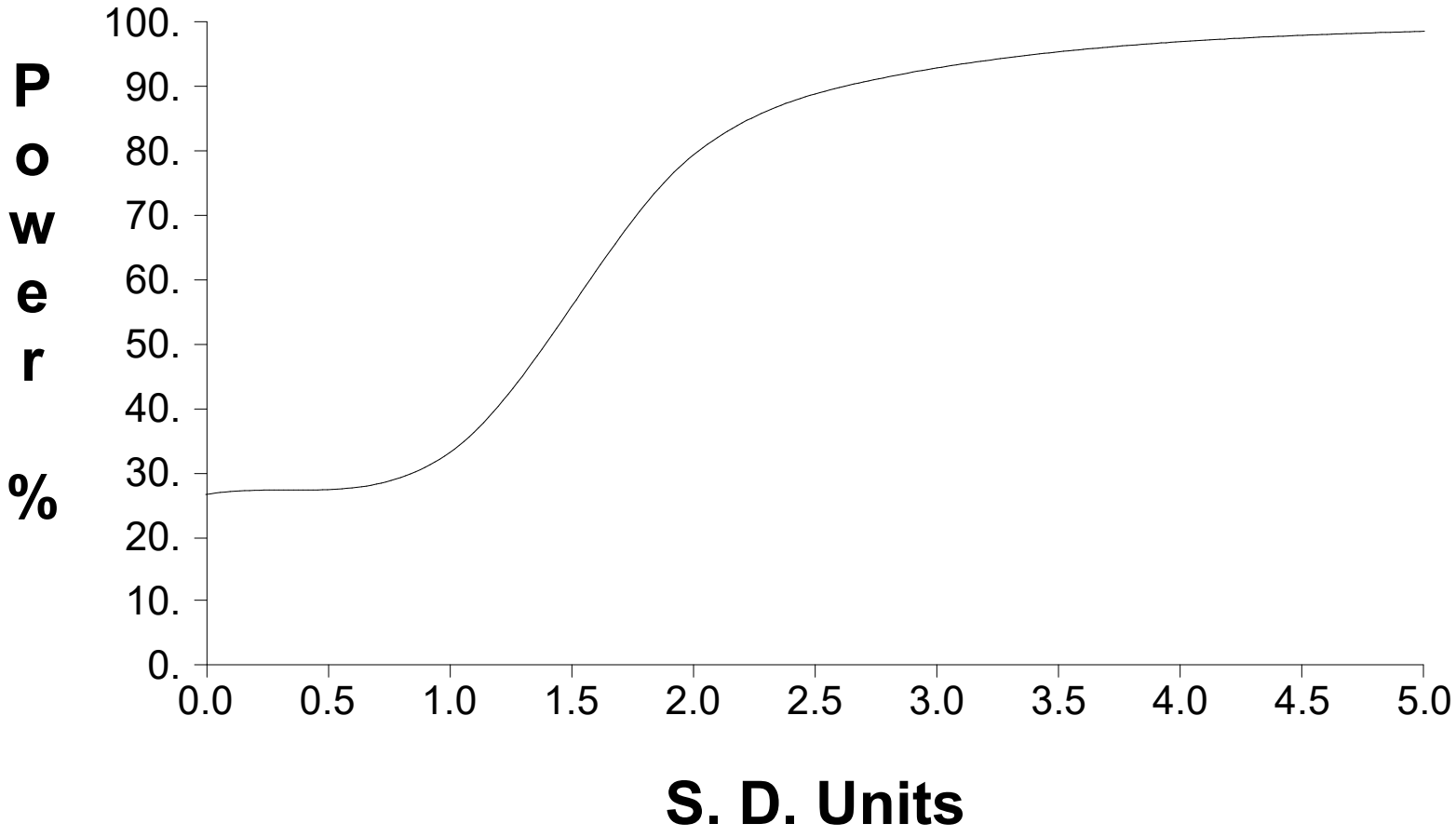


Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Boron, Total	ug/L	MW-13I	08/08/2019	ND	100.0000	
Boron, Total	ug/L	MW-13I	09/24/2019	ND	100.0000	
Boron, Total	ug/L	MW-13I	05/07/2020	ND	100.0000	
Boron, Total	ug/L	MW-13I	11/12/2020	ND	100.0000	
Boron, Total	ug/L	MW-13I	02/25/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	03/29/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	05/20/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	06/22/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	07/27/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	11/16/2021	ND	100.0000	
Boron, Total	ug/L	MW-13I	05/19/2022	ND	100.0000	
Boron, Total	ug/L	MW-13I	11/18/2022	ND	100.0000	
Boron, Total	ug/L	MW-13I	04/18/2023	ND	100.0000	
Boron, Total	ug/L	MW-13I	10/11/2023	ND	100.0000	
Boron, Total	ug/L	MW-13I	04/10/2024	ND	100.0000	
Boron, Total	ug/L	MW-13I	10/04/2024	ND	100.0000	
Boron, Total	ug/L	MW-13I	04/04/2025	ND	100.0000	
Calcium, Total	ug/L	MW-13I	08/08/2019		83700.0000	
Calcium, Total	ug/L	MW-13I	09/24/2019		82000.0000	
Calcium, Total	ug/L	MW-13I	05/07/2020		93300.0000	
Calcium, Total	ug/L	MW-13I	11/12/2020		96300.0000	
Calcium, Total	ug/L	MW-13I	02/25/2021		102000.0000	
Calcium, Total	ug/L	MW-13I	03/29/2021		109000.0000	
Calcium, Total	ug/L	MW-13I	05/20/2021		103000.0000	
Calcium, Total	ug/L	MW-13I	06/22/2021		98500.0000	
Calcium, Total	ug/L	MW-13I	07/27/2021		99900.0000	
Calcium, Total	ug/L	MW-13I	11/16/2021		96500.0000	
Calcium, Total	ug/L	MW-13I	05/19/2022		105000.0000	
Calcium, Total	ug/L	MW-13I	11/18/2022		85200.0000	
Calcium, Total	ug/L	MW-13I	04/18/2023		82600.0000	
Calcium, Total	ug/L	MW-13I	10/11/2023		76200.0000	
Calcium, Total	ug/L	MW-13I	04/10/2024		76600.0000	
Calcium, Total	ug/L	MW-13I	10/04/2024		67800.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Calcium, Total	ug/L	MW-13I	04/04/2025		69600.0000	
Chloride	mg/L	MW-13I	08/08/2019		17.2000	
Chloride	mg/L	MW-13I	09/24/2019		14.6000	
Chloride	mg/L	MW-13I	05/07/2020		26.9000	
Chloride	mg/L	MW-13I	11/12/2020		42.0000	
Chloride	mg/L	MW-13I	02/25/2021		55.8000	
Chloride	mg/L	MW-13I	03/29/2021		64.0000	
Chloride	mg/L	MW-13I	05/20/2021		63.0000	
Chloride	mg/L	MW-13I	06/22/2021		49.0000	
Chloride	mg/L	MW-13I	07/27/2021		47.0000	
Chloride	mg/L	MW-13I	11/16/2021		40.4000	
Chloride	mg/L	MW-13I	05/19/2022		62.2000	
Chloride	mg/L	MW-13I	11/18/2022		52.2000	
Chloride	mg/L	MW-13I	04/18/2023		41.3000	
Chloride	mg/L	MW-13I	10/11/2023		32.8000	
Chloride	mg/L	MW-13I	04/10/2024		33.4000	
Chloride	mg/L	MW-13I	10/04/2024		25.0000	
Chloride	mg/L	MW-13I	04/04/2025		21.2000	
Fluoride	mg/L	MW-13I	08/08/2019	ND	0.1000	
Fluoride	mg/L	MW-13I	09/24/2019	ND	0.1000	
Fluoride	mg/L	MW-13I	05/07/2020	ND	0.1000	
Fluoride	mg/L	MW-13I	11/12/2020	ND	0.1000	
Fluoride	mg/L	MW-13I	02/25/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	03/29/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	05/20/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	06/22/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	07/27/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	11/16/2021	ND	0.1000	
Fluoride	mg/L	MW-13I	05/19/2022	ND	0.1000	
Fluoride	mg/L	MW-13I	11/18/2022	ND	0.1000	
Fluoride	mg/L	MW-13I	04/18/2023	ND	0.1000	
Fluoride	mg/L	MW-13I	10/11/2023	ND	0.1000	
Fluoride	mg/L	MW-13I	04/10/2024	ND	0.1000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Fluoride	mg/L	MW-13I	10/04/2024	ND	0.1000	
Fluoride	mg/L	MW-13I	04/04/2025	ND	0.1000	
pH (field)	S.U.	MW-13I	08/08/2019		7.3500	
pH (field)	S.U.	MW-13I	09/24/2019		7.2900	
pH (field)	S.U.	MW-13I	05/07/2020		7.2000	
pH (field)	S.U.	MW-13I	11/12/2020		7.3200	
pH (field)	S.U.	MW-13I	02/25/2021		7.3300	
pH (field)	S.U.	MW-13I	03/29/2021		6.7200	
pH (field)	S.U.	MW-13I	05/20/2021		6.9300	
pH (field)	S.U.	MW-13I	07/27/2021		6.6900	
pH (field)	S.U.	MW-13I	11/16/2021		7.0600	
pH (field)	S.U.	MW-13I	05/19/2022		7.1000	
pH (field)	S.U.	MW-13I	11/18/2022		7.6000	
pH (field)	S.U.	MW-13I	04/18/2023		7.3100	
pH (field)	S.U.	MW-13I	10/11/2023		7.1700	
pH (field)	S.U.	MW-13I	04/10/2024		7.2768	
pH (field)	S.U.	MW-13I	10/04/2024		7.1200	
pH (field)	S.U.	MW-13I	04/04/2025		7.6200	
Sulfate	mg/L	MW-13I	08/08/2019		35.4000	
Sulfate	mg/L	MW-13I	09/24/2019		34.6000	
Sulfate	mg/L	MW-13I	05/07/2020		30.4000	
Sulfate	mg/L	MW-13I	11/12/2020		29.5000	
Sulfate	mg/L	MW-13I	02/25/2021		29.0000	
Sulfate	mg/L	MW-13I	03/29/2021		29.7000	
Sulfate	mg/L	MW-13I	05/20/2021		29.7000	
Sulfate	mg/L	MW-13I	06/22/2021		29.3000	
Sulfate	mg/L	MW-13I	07/27/2021		29.6000	
Sulfate	mg/L	MW-13I	11/16/2021		29.4000	
Sulfate	mg/L	MW-13I	05/19/2022		27.0000	
Sulfate	mg/L	MW-13I	11/18/2022		21.4000	
Sulfate	mg/L	MW-13I	04/18/2023		18.3000	
Sulfate	mg/L	MW-13I	10/11/2023		18.4000	
Sulfate	mg/L	MW-13I	04/10/2024		21.8000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Sulfate	mg/L	MW-13I	10/04/2024		23.7000	
Sulfate	mg/L	MW-13I	04/04/2025		24.5000	
Total Dissolved Solids	mg/L	MW-13I	08/08/2019		352.0000	
Total Dissolved Solids	mg/L	MW-13I	09/24/2019		381.0000	
Total Dissolved Solids	mg/L	MW-13I	05/07/2020		381.0000	
Total Dissolved Solids	mg/L	MW-13I	11/12/2020		406.0000	
Total Dissolved Solids	mg/L	MW-13I	02/25/2021		404.0000	
Total Dissolved Solids	mg/L	MW-13I	03/29/2021		424.0000	
Total Dissolved Solids	mg/L	MW-13I	05/20/2021		447.0000	
Total Dissolved Solids	mg/L	MW-13I	06/22/2021		447.0000	
Total Dissolved Solids	mg/L	MW-13I	07/27/2021		461.0000	
Total Dissolved Solids	mg/L	MW-13I	11/16/2021		393.0000	
Total Dissolved Solids	mg/L	MW-13I	05/19/2022		461.0000	
Total Dissolved Solids	mg/L	MW-13I	11/18/2022		413.0000	
Total Dissolved Solids	mg/L	MW-13I	04/18/2023		386.0000	
Total Dissolved Solids	mg/L	MW-13I	10/11/2023		354.0000	
Total Dissolved Solids	mg/L	MW-13I	04/10/2024		311.0000	
Total Dissolved Solids	mg/L	MW-13I	10/04/2024		316.0000	
Total Dissolved Solids	mg/L	MW-13I	04/04/2025		310.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date	Result		Pred. Limit
Boron, Total	ug/L	MW-10I	04/04/2025	1630.0000	***	100.0000
Boron, Total	ug/L	MW-11I	04/03/2025	538.0000	***	100.0000
Boron, Total	ug/L	MW-12I	04/17/2025	984.0000	***	100.0000
Boron, Total	ug/L	MW-1I	04/22/2025	328.0000	***	100.0000
Boron, Total	ug/L	MW-26I	04/03/2025	106.0000	***	100.0000
Boron, Total	ug/L	MW-2I	04/14/2025	189.0000	***	100.0000
Boron, Total	ug/L	MW-3I	04/18/2025	151.0000	***	100.0000
Boron, Total	ug/L	MW-4I	04/14/2025	128.0000	***	100.0000
Boron, Total	ug/L	MW-6I	04/10/2025	1600.0000	***	100.0000
Boron, Total	ug/L	MW-9I	04/01/2025	235.0000	***	100.0000
Calcium, Total	ug/L	MW-10I	04/04/2025	196000.0000	***	123844.2650
Calcium, Total	ug/L	MW-11I	04/03/2025	74600.0000		123844.2650
Calcium, Total	ug/L	MW-12I	04/17/2025	113000.0000	**	123844.2650
Calcium, Total	ug/L	MW-1I	04/22/2025	83500.0000		123844.2650
Calcium, Total	ug/L	MW-26I	04/03/2025	89400.0000		123844.2650
Calcium, Total	ug/L	MW-2I	04/14/2025	80900.0000		123844.2650
Calcium, Total	ug/L	MW-3I	04/18/2025	65200.0000		123844.2650
Calcium, Total	ug/L	MW-4I	04/14/2025	108000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	04/10/2025	135000.0000	***	123844.2650
Calcium, Total	ug/L	MW-9I	04/01/2025	111000.0000		123844.2650
Chloride	mg/L	MW-10I	04/04/2025	209.0000	***	83.1981
Chloride	mg/L	MW-11I	04/03/2025	106.0000	***	83.1981
Chloride	mg/L	MW-12I	04/17/2025	109.0000	***	83.1981
Chloride	mg/L	MW-1I	04/22/2025	109.0000	***	83.1981
Chloride	mg/L	MW-26I	04/03/2025	162.0000	***	83.1981
Chloride	mg/L	MW-2I	04/14/2025	132.0000	***	83.1981
Chloride	mg/L	MW-3I	04/18/2025	127.0000	***	83.1981
Chloride	mg/L	MW-4I	04/14/2025	190.0000	***	83.1981
Chloride	mg/L	MW-6I	04/10/2025	72.3000	**	83.1981
Chloride	mg/L	MW-9I	04/01/2025	189.0000	***	83.1981
Fluoride	mg/L	MW-10I	04/04/2025	0.2600	***	0.1000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date	Result		Pred. Limit
Fluoride	mg/L	MW-11I	04/03/2025	0.4300	***	0.1000
Fluoride	mg/L	MW-12I	04/17/2025	0.2600	***	0.1000
Fluoride	mg/L	MW-1I	04/22/2025	0.2700	***	0.1000
Fluoride	mg/L	MW-26I	04/03/2025	0.3900	***	0.1000
Fluoride	mg/L	MW-2I	04/14/2025	0.2800	***	0.1000
Fluoride	mg/L	MW-3I	04/18/2025	0.3600	***	0.1000
Fluoride	mg/L	MW-4I	04/14/2025	0.3000	***	0.1000
Fluoride	mg/L	MW-6I	04/10/2025	0.2300	***	0.1000
Fluoride	mg/L	MW-9I	04/01/2025	0.2700	***	0.1000
pH (field)	S.U.	MW-10I	04/04/2025	7.3400		6.40 - 7.98
pH (field)	S.U.	MW-11I	04/03/2025	7.7800		6.40 - 7.98
pH (field)	S.U.	MW-12I	04/17/2025	7.2500		6.40 - 7.98
pH (field)	S.U.	MW-1I	04/22/2025	7.4400		6.40 - 7.98
pH (field)	S.U.	MW-26I	04/03/2025	7.7600		6.40 - 7.98
pH (field)	S.U.	MW-2I	04/14/2025	7.9800		6.40 - 7.98
pH (field)	S.U.	MW-3I	04/18/2025	7.3600		6.40 - 7.98
pH (field)	S.U.	MW-4I	04/14/2025	7.7900		6.40 - 7.98
pH (field)	S.U.	MW-6I	04/10/2025	7.4700		6.40 - 7.98
pH (field)	S.U.	MW-9I	04/01/2025	7.9900	*	6.40 - 7.98
Sulfate	mg/L	MW-10I	04/04/2025	524.0000	***	40.5622
Sulfate	mg/L	MW-11I	04/03/2025	89.3000	***	40.5622
Sulfate	mg/L	MW-12I	04/17/2025	136.0000	***	40.5622
Sulfate	mg/L	MW-1I	04/22/2025	98.4000	***	40.5622
Sulfate	mg/L	MW-26I	04/03/2025	133.0000	***	40.5622
Sulfate	mg/L	MW-2I	04/14/2025	94.5000	***	40.5622
Sulfate	mg/L	MW-3I	04/18/2025	95.9000	***	40.5622
Sulfate	mg/L	MW-4I	04/14/2025	59.4000	***	40.5622
Sulfate	mg/L	MW-6I	04/10/2025	120.0000	***	40.5622
Sulfate	mg/L	MW-9I	04/01/2025	289.0000	***	40.5622
Total Dissolved Solids	mg/L	MW-10I	04/04/2025	1300.0000	***	523.4046
Total Dissolved Solids	mg/L	MW-11I	04/03/2025	515.0000	**	523.4046

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date	Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-12I	04/17/2025	634.0000	***	523.4046
Total Dissolved Solids	mg/L	MW-1I	04/22/2025	570.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	04/03/2025	671.0000	***	523.4046
Total Dissolved Solids	mg/L	MW-2I	04/14/2025	569.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	04/18/2025	600.0000	***	523.4046
Total Dissolved Solids	mg/L	MW-4I	04/14/2025	614.0000	***	523.4046
Total Dissolved Solids	mg/L	MW-6I	04/10/2025	706.0000	***	523.4046
Total Dissolved Solids	mg/L	MW-9I	04/01/2025	902.0000	***	523.4046

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Boron, Total	0	17	0.000	186	191	0.974
Calcium, Total	17	17	1.000	191	191	1.000
Chloride	17	17	1.000	191	191	1.000
Fluoride	0	17	0.000	191	191	1.000
pH (field)	16	16	1.000	191	191	1.000
Sulfate	17	17	1.000	190	191	0.995
Total Dissolved Solids	17	17	1.000	191	191	1.000

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Boron, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Calcium, Total	17	17	1.000	0.396	0.699					2.326	normal	normal
Chloride	17	17	1.000	0.085	0.860					2.326	normal	normal
Fluoride	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
pH (field)	16	16	1.000	0.393	0.536					2.326	normal	normal
Sulfate	17	17	1.000	1.112	1.604					2.326	normal	normal
Total Dissolved Solids	17	17	1.000	0.598	0.948					2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Boron, Total	ug/L	0	17					100.0000	nonpar	***	0.95
Calcium, Total	ug/L	17	17	89835.2941	12801.6572	0.0100	2.6566	123844.2650	normal		
Chloride	mg/L	17	17	40.4706	16.0835	0.0100	2.6566	83.1981	normal		
Fluoride	mg/L	0	17					0.1000	nonpar	***	0.95
pH (field)	S.U.	16	16	7.1929	0.2602	0.0100	3.0334	6.40 - 7.98	normal		
Sulfate	mg/L	17	17	27.1588	5.0453	0.0100	2.6566	40.5622	normal		
Total Dissolved Solids	mg/L	17	17	391.0000	49.8397	0.0100	2.6566	523.4046	normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10I	08/09/2019		521.0000	*	100.0000
Boron, Total	ug/L	MW-10I	11/12/2021		1150.0000	*	100.0000
Boron, Total	ug/L	MW-10I	05/18/2022		1040.0000	*	100.0000
Boron, Total	ug/L	MW-10I	11/28/2022		629.0000	*	100.0000
Boron, Total	ug/L	MW-10I	05/08/2023		1110.0000	*	100.0000
Boron, Total	ug/L	MW-10I	10/10/2023		1340.0000	*	100.0000
Boron, Total	ug/L	MW-10I	04/03/2024		1170.0000	*	100.0000
Boron, Total	ug/L	MW-10I	10/10/2024		1400.0000	*	100.0000
Boron, Total	ug/L	MW-10I	04/04/2025		1630.0000	*	100.0000
Boron, Total	ug/L	MW-11I	04/20/2016		2330.0000	*	100.0000
Boron, Total	ug/L	MW-11I	06/02/2016		2540.0000	*	100.0000
Boron, Total	ug/L	MW-11I	08/12/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/30/2016		4270.0000	*	100.0000
Boron, Total	ug/L	MW-11I	12/01/2016		4460.0000	*	100.0000
Boron, Total	ug/L	MW-11I	01/31/2017		4300.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/25/2017		5690.0000	*	100.0000
Boron, Total	ug/L	MW-11I	08/10/2017		6200.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/28/2017		6100.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/22/2018		7180.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/12/2018		7190.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/08/2019		7860.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/14/2019		6430.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/07/2020		6140.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/12/2020		4140.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/17/2021		2070.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/17/2021		3350.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/12/2022		2090.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/21/2022		1590.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/02/2023		1000.0000	*	100.0000
Boron, Total	ug/L	MW-11I	10/09/2023		812.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-11I	04/09/2024		634.0000	*	100.0000
Boron, Total	ug/L	MW-11I	10/15/2024		601.0000	*	100.0000
Boron, Total	ug/L	MW-11I	04/03/2025		538.0000	*	100.0000
Boron, Total	ug/L	MW-12I	03/29/2023		2100.0000	*	100.0000
Boron, Total	ug/L	MW-12I	04/27/2023		2470.0000	*	100.0000
Boron, Total	ug/L	MW-12I	07/06/2023		2280.0000	*	100.0000
Boron, Total	ug/L	MW-12I	10/11/2023		2450.0000	*	100.0000
Boron, Total	ug/L	MW-12I	04/16/2024		1700.0000	*	100.0000
Boron, Total	ug/L	MW-12I	10/01/2024		1250.0000	*	100.0000
Boron, Total	ug/L	MW-12I	04/17/2025		984.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/19/2016		3800.0000	*	100.0000
Boron, Total	ug/L	MW-1I	06/02/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-1I	08/10/2016		3830.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/30/2016		3560.0000	*	100.0000
Boron, Total	ug/L	MW-1I	12/02/2016		3090.0000	*	100.0000
Boron, Total	ug/L	MW-1I	01/31/2017		2560.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/26/2017		2720.0000	*	100.0000
Boron, Total	ug/L	MW-1I	08/11/2017		3750.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/28/2017		3500.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/23/2018		3460.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/11/2018		2700.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/08/2019		2230.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/14/2019		1970.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/05/2020		2180.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/11/2020		1330.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/25/2021		1090.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/09/2021		970.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/10/2022		844.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/22/2022		622.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/19/2023		601.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-1I	10/11/2023		452.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/09/2024		405.0000	*	100.0000
Boron, Total	ug/L	MW-1I	10/15/2024		359.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/22/2025		328.0000	*	100.0000
Boron, Total	ug/L	MW-26I	03/27/2023		438.0000	*	100.0000
Boron, Total	ug/L	MW-26I	05/04/2023		2430.0000	*	100.0000
Boron, Total	ug/L	MW-26I	07/05/2023		275.0000	*	100.0000
Boron, Total	ug/L	MW-26I	10/16/2023		193.0000	*	100.0000
Boron, Total	ug/L	MW-26I	04/03/2024	ND	100.0000		100.0000
Boron, Total	ug/L	MW-26I	10/02/2024		175.0000	*	100.0000
Boron, Total	ug/L	MW-26I	04/03/2025		106.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/19/2016		1460.0000	*	100.0000
Boron, Total	ug/L	MW-2I	06/01/2016		1150.0000	*	100.0000
Boron, Total	ug/L	MW-2I	08/11/2016		871.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/30/2016		869.0000	*	100.0000
Boron, Total	ug/L	MW-2I	12/02/2016		839.0000	*	100.0000
Boron, Total	ug/L	MW-2I	01/31/2017		819.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/26/2017		1640.0000	*	100.0000
Boron, Total	ug/L	MW-2I	08/11/2017		2000.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/27/2017		1920.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/22/2018		1410.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/11/2018		979.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/09/2019		794.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/13/2019		313.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/05/2020		292.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/11/2020		229.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/11/2021		248.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/10/2021		206.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/11/2022		229.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/15/2022		218.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-2I	04/19/2023		257.0000	*	100.0000
Boron, Total	ug/L	MW-2I	10/10/2023		204.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/05/2024		161.0000	*	100.0000
Boron, Total	ug/L	MW-2I	10/07/2024		165.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/14/2025		189.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/20/2016		931.0000	*	100.0000
Boron, Total	ug/L	MW-3I	06/01/2016		1190.0000	*	100.0000
Boron, Total	ug/L	MW-3I	08/11/2016		1510.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/30/2016		1780.0000	*	100.0000
Boron, Total	ug/L	MW-3I	12/02/2016		1200.0000	*	100.0000
Boron, Total	ug/L	MW-3I	01/31/2017		976.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/25/2017		837.0000	*	100.0000
Boron, Total	ug/L	MW-3I	08/11/2017		918.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/27/2017		673.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/22/2018		290.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/11/2018		189.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/09/2019		229.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/13/2019		141.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/05/2020		174.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/11/2020		120.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/11/2021		124.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/18/2021		129.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/11/2022		174.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/15/2022		206.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/17/2023		153.0000	*	100.0000
Boron, Total	ug/L	MW-3I	10/09/2023		122.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/04/2024	ND	100.0000		100.0000
Boron, Total	ug/L	MW-3I	10/07/2024		117.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/18/2025		151.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/20/2016		236.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-4I	06/01/2016		239.0000	*	100.0000
Boron, Total	ug/L	MW-4I	08/11/2016		272.0000	*	100.0000
Boron, Total	ug/L	MW-4I	09/29/2016		278.0000	*	100.0000
Boron, Total	ug/L	MW-4I	12/01/2016		250.0000	*	100.0000
Boron, Total	ug/L	MW-4I	01/31/2017		237.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/25/2017		224.0000	*	100.0000
Boron, Total	ug/L	MW-4I	08/10/2017		231.0000	*	100.0000
Boron, Total	ug/L	MW-4I	09/28/2017		218.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/21/2018		174.0000	*	100.0000
Boron, Total	ug/L	MW-4I	09/11/2018		157.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/07/2019		181.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/13/2019		170.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/06/2020		163.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/10/2020		177.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/12/2021		191.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/18/2021		309.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/10/2022		177.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/16/2022		147.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/26/2023		136.0000	*	100.0000
Boron, Total	ug/L	MW-4I	10/06/2023		124.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/09/2024		112.0000	*	100.0000
Boron, Total	ug/L	MW-4I	10/03/2024		192.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/14/2025		128.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/20/2016		3430.0000	*	100.0000
Boron, Total	ug/L	MW-6I	06/01/2016		3540.0000	*	100.0000
Boron, Total	ug/L	MW-6I	08/11/2016		3050.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/29/2016		3210.0000	*	100.0000
Boron, Total	ug/L	MW-6I	12/01/2016		3170.0000	*	100.0000
Boron, Total	ug/L	MW-6I	01/30/2017		3250.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/25/2017		3470.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-6I	08/10/2017		4110.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/27/2017		4670.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/22/2018		4140.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/12/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/08/2019		4700.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/14/2019		4370.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/08/2020		5780.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/10/2020		4840.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/18/2021		2280.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/09/2021		2860.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/11/2022		2290.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/15/2022		1830.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/01/2023		1520.0000	*	100.0000
Boron, Total	ug/L	MW-6I	10/10/2023		2020.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/04/2024		856.0000	*	100.0000
Boron, Total	ug/L	MW-6I	10/02/2024		2250.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/10/2025		1600.0000	*	100.0000
Boron, Total	ug/L	MW-9I	04/21/2016		168.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/31/2016		173.0000	*	100.0000
Boron, Total	ug/L	MW-9I	08/11/2016		153.0000	*	100.0000
Boron, Total	ug/L	MW-9I	09/29/2016		179.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/30/2016		198.0000	*	100.0000
Boron, Total	ug/L	MW-9I	01/30/2017		162.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/24/2017		151.0000	*	100.0000
Boron, Total	ug/L	MW-9I	08/10/2017		165.0000	*	100.0000
Boron, Total	ug/L	MW-9I	09/26/2017		161.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/21/2018		103.0000	*	100.0000
Boron, Total	ug/L	MW-9I	09/12/2018		693.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/07/2019		110.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/13/2019	ND	100.0000		100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-9I	05/06/2020	ND	100.0000		100.0000
Boron, Total	ug/L	MW-9I	11/10/2020		142.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/13/2021		590.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/12/2021		779.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/09/2022		1460.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/15/2022		532.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/08/2023	ND	100.0000		100.0000
Boron, Total	ug/L	MW-9I	10/09/2023		673.0000	*	100.0000
Boron, Total	ug/L	MW-9I	04/04/2024		247.0000	*	100.0000
Boron, Total	ug/L	MW-9I	10/09/2024		639.0000	*	100.0000
Boron, Total	ug/L	MW-9I	04/01/2025		235.0000	*	100.0000
Calcium, Total	ug/L	MW-10I	08/09/2019		107000.0000		123844.2650
Calcium, Total	ug/L	MW-10I	11/12/2021		150000.0000	*	123844.2650
Calcium, Total	ug/L	MW-10I	05/18/2022		149000.0000	*	123844.2650
Calcium, Total	ug/L	MW-10I	11/28/2022		128000.0000	*	123844.2650
Calcium, Total	ug/L	MW-10I	05/08/2023		195000.0000	*	123844.2650
Calcium, Total	ug/L	MW-10I	10/10/2023		216000.0000	*	123844.2650
Calcium, Total	ug/L	MW-10I	04/03/2024		229000.0000	*	123844.2650
Calcium, Total	ug/L	MW-10I	10/10/2024		202000.0000	*	123844.2650
Calcium, Total	ug/L	MW-10I	04/04/2025		196000.0000	*	123844.2650
Calcium, Total	ug/L	MW-12I	03/29/2023		124000.0000	*	123844.2650
Calcium, Total	ug/L	MW-12I	04/27/2023		122000.0000		123844.2650
Calcium, Total	ug/L	MW-12I	07/06/2023		153000.0000	*	123844.2650
Calcium, Total	ug/L	MW-12I	10/11/2023		139000.0000	*	123844.2650
Calcium, Total	ug/L	MW-12I	04/16/2024		128000.0000	*	123844.2650
Calcium, Total	ug/L	MW-12I	10/01/2024		125000.0000	*	123844.2650
Calcium, Total	ug/L	MW-12I	04/17/2025		113000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	04/20/2016		121000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	06/01/2016		121000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	08/11/2016		104000.0000		123844.2650

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-6I	09/29/2016		104000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	12/01/2016		118000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	01/30/2017		123000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	05/25/2017		116000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	08/10/2017		109000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	09/27/2017		92800.0000		123844.2650
Calcium, Total	ug/L	MW-6I	05/22/2018		76200.0000		123844.2650
Calcium, Total	ug/L	MW-6I	09/12/2018		80800.0000		123844.2650
Calcium, Total	ug/L	MW-6I	05/08/2019		129000.0000	*	123844.2650
Calcium, Total	ug/L	MW-6I	11/14/2019		114000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	05/08/2020		109000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	11/10/2020		97000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	05/18/2021		78100.0000		123844.2650
Calcium, Total	ug/L	MW-6I	11/09/2021		106000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	05/11/2022		95300.0000		123844.2650
Calcium, Total	ug/L	MW-6I	11/15/2022		102000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	05/01/2023		113000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	10/10/2023		117000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	04/04/2024		123000.0000		123844.2650
Calcium, Total	ug/L	MW-6I	10/02/2024		156000.0000	*	123844.2650
Calcium, Total	ug/L	MW-6I	04/10/2025		135000.0000	*	123844.2650
Chloride	mg/L	MW-10I	08/09/2019		124.0000	*	83.1981
Chloride	mg/L	MW-10I	11/12/2021		86.5000	*	83.1981
Chloride	mg/L	MW-10I	05/18/2022		120.0000	*	83.1981
Chloride	mg/L	MW-10I	11/28/2022		115.0000	*	83.1981
Chloride	mg/L	MW-10I	05/08/2023		144.0000	*	83.1981
Chloride	mg/L	MW-10I	10/10/2023		178.0000	*	83.1981
Chloride	mg/L	MW-10I	04/03/2024		214.0000	*	83.1981
Chloride	mg/L	MW-10I	10/10/2024		234.0000	*	83.1981
Chloride	mg/L	MW-10I	04/04/2025		209.0000	*	83.1981

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-11I	04/20/2016		149.0000	*	83.1981
Chloride	mg/L	MW-11I	06/02/2016		152.0000	*	83.1981
Chloride	mg/L	MW-11I	08/12/2016		153.0000	*	83.1981
Chloride	mg/L	MW-11I	09/30/2016		156.0000	*	83.1981
Chloride	mg/L	MW-11I	12/01/2016		162.0000	*	83.1981
Chloride	mg/L	MW-11I	01/31/2017		149.0000	*	83.1981
Chloride	mg/L	MW-11I	05/25/2017		152.0000	*	83.1981
Chloride	mg/L	MW-11I	08/10/2017		145.0000	*	83.1981
Chloride	mg/L	MW-11I	09/28/2017		145.0000	*	83.1981
Chloride	mg/L	MW-11I	05/22/2018		184.0000	*	83.1981
Chloride	mg/L	MW-11I	09/12/2018		168.0000	*	83.1981
Chloride	mg/L	MW-11I	05/08/2019		141.0000	*	83.1981
Chloride	mg/L	MW-11I	11/14/2019		142.0000	*	83.1981
Chloride	mg/L	MW-11I	05/07/2020		129.0000	*	83.1981
Chloride	mg/L	MW-11I	11/12/2020		88.8000	*	83.1981
Chloride	mg/L	MW-11I	05/17/2021		85.2000	*	83.1981
Chloride	mg/L	MW-11I	11/17/2021		81.2000		83.1981
Chloride	mg/L	MW-11I	05/12/2022		95.9000	*	83.1981
Chloride	mg/L	MW-11I	11/21/2022		74.9000		83.1981
Chloride	mg/L	MW-11I	05/02/2023		101.0000	*	83.1981
Chloride	mg/L	MW-11I	10/09/2023		114.0000	*	83.1981
Chloride	mg/L	MW-11I	04/09/2024		106.0000	*	83.1981
Chloride	mg/L	MW-11I	10/15/2024		108.0000	*	83.1981
Chloride	mg/L	MW-11I	04/03/2025		106.0000	*	83.1981
Chloride	mg/L	MW-12I	03/29/2023		85.9000	*	83.1981
Chloride	mg/L	MW-12I	04/27/2023		82.7000		83.1981
Chloride	mg/L	MW-12I	07/06/2023		72.0000		83.1981
Chloride	mg/L	MW-12I	10/11/2023		80.5000		83.1981
Chloride	mg/L	MW-12I	04/16/2024		90.0000	*	83.1981
Chloride	mg/L	MW-12I	10/01/2024		127.0000	*	83.1981

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-12I	04/17/2025		109.0000	*	83.1981
Chloride	mg/L	MW-1I	04/19/2016		158.0000	*	83.1981
Chloride	mg/L	MW-1I	06/02/2016		160.0000	*	83.1981
Chloride	mg/L	MW-1I	08/10/2016		149.0000	*	83.1981
Chloride	mg/L	MW-1I	09/30/2016		154.0000	*	83.1981
Chloride	mg/L	MW-1I	12/02/2016		147.0000	*	83.1981
Chloride	mg/L	MW-1I	01/31/2017		144.0000	*	83.1981
Chloride	mg/L	MW-1I	05/26/2017		148.0000	*	83.1981
Chloride	mg/L	MW-1I	08/11/2017		137.0000	*	83.1981
Chloride	mg/L	MW-1I	09/28/2017		127.0000	*	83.1981
Chloride	mg/L	MW-1I	05/23/2018		187.0000	*	83.1981
Chloride	mg/L	MW-1I	09/11/2018		153.0000	*	83.1981
Chloride	mg/L	MW-1I	05/08/2019		123.0000	*	83.1981
Chloride	mg/L	MW-1I	11/14/2019		80.0000		83.1981
Chloride	mg/L	MW-1I	05/05/2020		84.3000	*	83.1981
Chloride	mg/L	MW-1I	11/11/2020		103.0000	*	83.1981
Chloride	mg/L	MW-1I	05/25/2021		89.0000	*	83.1981
Chloride	mg/L	MW-1I	11/09/2021		74.0000		83.1981
Chloride	mg/L	MW-1I	05/10/2022		94.4000	*	83.1981
Chloride	mg/L	MW-1I	11/22/2022		114.0000	*	83.1981
Chloride	mg/L	MW-1I	04/19/2023		89.5000	*	83.1981
Chloride	mg/L	MW-1I	10/11/2023		114.0000	*	83.1981
Chloride	mg/L	MW-1I	04/09/2024		105.0000	*	83.1981
Chloride	mg/L	MW-1I	10/15/2024		98.8000	*	83.1981
Chloride	mg/L	MW-1I	04/22/2025		109.0000	*	83.1981
Chloride	mg/L	MW-26I	03/27/2023		123.0000	*	83.1981
Chloride	mg/L	MW-26I	05/04/2023		250.0000	*	83.1981
Chloride	mg/L	MW-26I	07/05/2023		134.0000	*	83.1981
Chloride	mg/L	MW-26I	10/16/2023		102.0000	*	83.1981
Chloride	mg/L	MW-26I	04/03/2024		148.0000	*	83.1981

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-26I	10/02/2024		133.0000	*	83.1981
Chloride	mg/L	MW-26I	04/03/2025		162.0000	*	83.1981
Chloride	mg/L	MW-2I	04/19/2016		163.0000	*	83.1981
Chloride	mg/L	MW-2I	06/01/2016		140.0000	*	83.1981
Chloride	mg/L	MW-2I	08/11/2016		146.0000	*	83.1981
Chloride	mg/L	MW-2I	09/30/2016		142.0000	*	83.1981
Chloride	mg/L	MW-2I	12/02/2016		139.0000	*	83.1981
Chloride	mg/L	MW-2I	01/31/2017		124.0000	*	83.1981
Chloride	mg/L	MW-2I	05/26/2017		119.0000	*	83.1981
Chloride	mg/L	MW-2I	08/11/2017		112.0000	*	83.1981
Chloride	mg/L	MW-2I	09/27/2017		107.0000	*	83.1981
Chloride	mg/L	MW-2I	05/22/2018		82.7000		83.1981
Chloride	mg/L	MW-2I	09/11/2018		92.2000	*	83.1981
Chloride	mg/L	MW-2I	05/09/2019		85.5000	*	83.1981
Chloride	mg/L	MW-2I	11/13/2019		98.7000	*	83.1981
Chloride	mg/L	MW-2I	05/05/2020		92.9000	*	83.1981
Chloride	mg/L	MW-2I	11/11/2020		102.0000	*	83.1981
Chloride	mg/L	MW-2I	05/11/2021		94.1000	*	83.1981
Chloride	mg/L	MW-2I	11/10/2021		87.3000	*	83.1981
Chloride	mg/L	MW-2I	05/11/2022		89.7000	*	83.1981
Chloride	mg/L	MW-2I	11/15/2022		147.0000	*	83.1981
Chloride	mg/L	MW-2I	04/19/2023		131.0000	*	83.1981
Chloride	mg/L	MW-2I	10/10/2023		96.5000	*	83.1981
Chloride	mg/L	MW-2I	04/05/2024		112.0000	*	83.1981
Chloride	mg/L	MW-2I	10/07/2024		97.9000	*	83.1981
Chloride	mg/L	MW-2I	04/14/2025		132.0000	*	83.1981
Chloride	mg/L	MW-3I	04/20/2016		138.0000	*	83.1981
Chloride	mg/L	MW-3I	06/01/2016		145.0000	*	83.1981
Chloride	mg/L	MW-3I	08/11/2016		132.0000	*	83.1981
Chloride	mg/L	MW-3I	09/30/2016		128.0000	*	83.1981

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-3I	12/02/2016		97.0000	*	83.1981
Chloride	mg/L	MW-3I	01/31/2017		95.1000	*	83.1981
Chloride	mg/L	MW-3I	05/25/2017		94.2000	*	83.1981
Chloride	mg/L	MW-3I	08/11/2017		81.8000		83.1981
Chloride	mg/L	MW-3I	09/27/2017		89.0000	*	83.1981
Chloride	mg/L	MW-3I	05/22/2018		94.8000	*	83.1981
Chloride	mg/L	MW-3I	09/11/2018		92.8000	*	83.1981
Chloride	mg/L	MW-3I	05/09/2019		97.6000	*	83.1981
Chloride	mg/L	MW-3I	11/13/2019		74.2000		83.1981
Chloride	mg/L	MW-3I	05/05/2020		82.3000		83.1981
Chloride	mg/L	MW-3I	11/11/2020		96.4000	*	83.1981
Chloride	mg/L	MW-3I	05/11/2021		167.0000	*	83.1981
Chloride	mg/L	MW-3I	11/18/2021		139.0000	*	83.1981
Chloride	mg/L	MW-3I	05/11/2022		147.0000	*	83.1981
Chloride	mg/L	MW-3I	11/15/2022		140.0000	*	83.1981
Chloride	mg/L	MW-3I	04/17/2023		109.0000	*	83.1981
Chloride	mg/L	MW-3I	10/09/2023		106.0000	*	83.1981
Chloride	mg/L	MW-3I	04/04/2024		111.0000	*	83.1981
Chloride	mg/L	MW-3I	10/07/2024		164.0000	*	83.1981
Chloride	mg/L	MW-3I	04/18/2025		127.0000	*	83.1981
Chloride	mg/L	MW-4I	04/20/2016		96.7000	*	83.1981
Chloride	mg/L	MW-4I	06/01/2016		96.8000	*	83.1981
Chloride	mg/L	MW-4I	08/11/2016		87.6000	*	83.1981
Chloride	mg/L	MW-4I	09/29/2016		94.1000	*	83.1981
Chloride	mg/L	MW-4I	12/01/2016		96.8000	*	83.1981
Chloride	mg/L	MW-4I	01/31/2017		97.2000	*	83.1981
Chloride	mg/L	MW-4I	05/25/2017		99.8000	*	83.1981
Chloride	mg/L	MW-4I	08/10/2017		94.2000	*	83.1981
Chloride	mg/L	MW-4I	09/28/2017		88.4000	*	83.1981
Chloride	mg/L	MW-4I	05/21/2018		78.1000		83.1981

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-4I	09/11/2018		76.4000		83.1981
Chloride	mg/L	MW-4I	05/07/2019		82.6000		83.1981
Chloride	mg/L	MW-4I	11/13/2019		79.7000		83.1981
Chloride	mg/L	MW-4I	05/06/2020		88.3000	*	83.1981
Chloride	mg/L	MW-4I	11/10/2020		83.9000	*	83.1981
Chloride	mg/L	MW-4I	05/12/2021		82.0000		83.1981
Chloride	mg/L	MW-4I	11/18/2021		140.0000	*	83.1981
Chloride	mg/L	MW-4I	05/10/2022		108.0000	*	83.1981
Chloride	mg/L	MW-4I	11/16/2022		103.0000	*	83.1981
Chloride	mg/L	MW-4I	04/26/2023		67.7000		83.1981
Chloride	mg/L	MW-4I	10/06/2023		92.1000	*	83.1981
Chloride	mg/L	MW-4I	04/09/2024		123.0000	*	83.1981
Chloride	mg/L	MW-4I	10/03/2024		201.0000	*	83.1981
Chloride	mg/L	MW-4I	04/14/2025		190.0000	*	83.1981
Chloride	mg/L	MW-6I	04/20/2016		262.0000	*	83.1981
Chloride	mg/L	MW-6I	06/01/2016		319.0000	*	83.1981
Chloride	mg/L	MW-6I	08/11/2016		245.0000	*	83.1981
Chloride	mg/L	MW-6I	09/29/2016		225.0000	*	83.1981
Chloride	mg/L	MW-6I	12/01/2016		221.0000	*	83.1981
Chloride	mg/L	MW-6I	01/30/2017		210.0000	*	83.1981
Chloride	mg/L	MW-6I	05/25/2017		174.0000	*	83.1981
Chloride	mg/L	MW-6I	08/10/2017		139.0000	*	83.1981
Chloride	mg/L	MW-6I	09/27/2017		60.7000		83.1981
Chloride	mg/L	MW-6I	05/22/2018		118.0000	*	83.1981
Chloride	mg/L	MW-6I	09/12/2018		125.0000	*	83.1981
Chloride	mg/L	MW-6I	05/08/2019		114.0000	*	83.1981
Chloride	mg/L	MW-6I	11/14/2019		78.2000		83.1981
Chloride	mg/L	MW-6I	05/08/2020		88.9000	*	83.1981
Chloride	mg/L	MW-6I	11/10/2020		99.7000	*	83.1981
Chloride	mg/L	MW-6I	05/18/2021		84.8000	*	83.1981

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-6I	11/09/2021		837.0000	*	83.1981
Chloride	mg/L	MW-6I	05/11/2022		90.5000	*	83.1981
Chloride	mg/L	MW-6I	11/15/2022		94.9000	*	83.1981
Chloride	mg/L	MW-6I	05/01/2023		81.3000		83.1981
Chloride	mg/L	MW-6I	10/10/2023		73.6000		83.1981
Chloride	mg/L	MW-6I	04/04/2024		84.5000	*	83.1981
Chloride	mg/L	MW-6I	10/02/2024		102.0000	*	83.1981
Chloride	mg/L	MW-6I	04/10/2025		72.3000		83.1981
Chloride	mg/L	MW-9I	04/21/2016		89.0000	*	83.1981
Chloride	mg/L	MW-9I	05/31/2016		87.4000	*	83.1981
Chloride	mg/L	MW-9I	08/11/2016		104.0000	*	83.1981
Chloride	mg/L	MW-9I	09/29/2016		116.0000	*	83.1981
Chloride	mg/L	MW-9I	11/30/2016		74.2000		83.1981
Chloride	mg/L	MW-9I	01/30/2017		73.9000		83.1981
Chloride	mg/L	MW-9I	05/24/2017		78.8000		83.1981
Chloride	mg/L	MW-9I	08/10/2017		74.1000		83.1981
Chloride	mg/L	MW-9I	09/26/2017		78.5000		83.1981
Chloride	mg/L	MW-9I	05/21/2018		96.7000	*	83.1981
Chloride	mg/L	MW-9I	09/12/2018		215.0000	*	83.1981
Chloride	mg/L	MW-9I	05/07/2019		65.4000		83.1981
Chloride	mg/L	MW-9I	11/13/2019		73.5000		83.1981
Chloride	mg/L	MW-9I	05/06/2020		92.3000	*	83.1981
Chloride	mg/L	MW-9I	11/10/2020		94.4000	*	83.1981
Chloride	mg/L	MW-9I	05/13/2021		163.0000	*	83.1981
Chloride	mg/L	MW-9I	11/12/2021		160.0000	*	83.1981
Chloride	mg/L	MW-9I	05/09/2022		150.0000	*	83.1981
Chloride	mg/L	MW-9I	11/15/2022		129.0000	*	83.1981
Chloride	mg/L	MW-9I	05/08/2023		52.9000		83.1981
Chloride	mg/L	MW-9I	10/09/2023		145.0000	*	83.1981
Chloride	mg/L	MW-9I	04/04/2024		229.0000	*	83.1981

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-9I	10/09/2024		141.0000	*	83.1981
Chloride	mg/L	MW-9I	04/01/2025		189.0000	*	83.1981
Fluoride	mg/L	MW-10I	08/09/2019		0.2400	*	0.1000
Fluoride	mg/L	MW-10I	11/12/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-10I	05/18/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-10I	11/28/2022		0.3000	*	0.1000
Fluoride	mg/L	MW-10I	05/08/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-10I	10/10/2023		0.2300	*	0.1000
Fluoride	mg/L	MW-10I	04/03/2024		0.2500	*	0.1000
Fluoride	mg/L	MW-10I	10/10/2024		0.2400	*	0.1000
Fluoride	mg/L	MW-10I	04/04/2025		0.2600	*	0.1000
Fluoride	mg/L	MW-11I	04/20/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	06/02/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	08/12/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-11I	09/30/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	12/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	05/25/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	08/10/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	09/28/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/22/2018		0.3700	*	0.1000
Fluoride	mg/L	MW-11I	09/12/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11I	05/08/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	11/14/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	05/07/2020		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/12/2020		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/17/2021		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/17/2021		0.3500	*	0.1000
Fluoride	mg/L	MW-11I	05/12/2022		0.4400	*	0.1000
Fluoride	mg/L	MW-11I	11/21/2022		0.4200	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11I	05/02/2023		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	10/09/2023		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	04/09/2024		0.4600	*	0.1000
Fluoride	mg/L	MW-11I	10/15/2024		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	04/03/2025		0.4300	*	0.1000
Fluoride	mg/L	MW-12I	03/29/2023		0.3300	*	0.1000
Fluoride	mg/L	MW-12I	04/27/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-12I	07/06/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-12I	10/11/2023		0.2200	*	0.1000
Fluoride	mg/L	MW-12I	04/16/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-12I	10/01/2024		0.2300	*	0.1000
Fluoride	mg/L	MW-12I	04/17/2025		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	04/19/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	06/02/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	08/10/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	12/02/2016		0.4300	*	0.1000
Fluoride	mg/L	MW-1I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-1I	05/26/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-1I	08/11/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1I	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-1I	05/08/2019		0.3300	*	0.1000
Fluoride	mg/L	MW-1I	11/14/2019		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	05/05/2020		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	11/11/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-1I	05/25/2021		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	11/09/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	05/10/2022		0.2900	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1I	11/22/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-1I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	10/11/2023		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	04/09/2024		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	10/15/2024		0.3200	*	0.1000
Fluoride	mg/L	MW-1I	04/22/2025		0.2700	*	0.1000
Fluoride	mg/L	MW-26I	03/27/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-26I	05/04/2023		0.2200	*	0.1000
Fluoride	mg/L	MW-26I	07/05/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-26I	10/16/2023		0.3900	*	0.1000
Fluoride	mg/L	MW-26I	04/03/2024		0.3700	*	0.1000
Fluoride	mg/L	MW-26I	10/02/2024		0.3900	*	0.1000
Fluoride	mg/L	MW-26I	04/03/2025		0.3900	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2016		0.4600	*	0.1000
Fluoride	mg/L	MW-2I	06/01/2016		0.4500	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-2I	12/02/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-2I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-2I	05/26/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	09/27/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2I	05/22/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-2I	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	11/13/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/05/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-2I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/11/2021		0.1800	*	0.1000
Fluoride	mg/L	MW-2I	11/10/2021		0.2900	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-2I	05/11/2022		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-2I	10/10/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	04/05/2024		0.3400	*	0.1000
Fluoride	mg/L	MW-2I	10/07/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-2I	04/14/2025		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	04/20/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	06/01/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3I	12/02/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	01/31/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	05/25/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/27/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/11/2018		0.2500	*	0.1000
Fluoride	mg/L	MW-3I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	11/13/2019		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/05/2020		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	05/11/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-3I	11/18/2021		0.2200	*	0.1000
Fluoride	mg/L	MW-3I	05/11/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/15/2022		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	04/17/2023		0.3400	*	0.1000
Fluoride	mg/L	MW-3I	10/09/2023		0.4000	*	0.1000
Fluoride	mg/L	MW-3I	04/04/2024		0.3600	*	0.1000
Fluoride	mg/L	MW-3I	10/07/2024		0.3300	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-3I	04/18/2025		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	04/20/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-4I	06/01/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4I	08/11/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-4I	09/29/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4I	12/01/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-4I	01/31/2017		0.3200	*	0.1000
Fluoride	mg/L	MW-4I	05/25/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-4I	08/10/2017		0.3200	*	0.1000
Fluoride	mg/L	MW-4I	09/28/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-4I	05/21/2018		0.3300	*	0.1000
Fluoride	mg/L	MW-4I	09/11/2018		0.3000	*	0.1000
Fluoride	mg/L	MW-4I	05/07/2019		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	11/13/2019		0.3800	*	0.1000
Fluoride	mg/L	MW-4I	05/06/2020		0.4400	*	0.1000
Fluoride	mg/L	MW-4I	11/10/2020		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	05/12/2021		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	11/18/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-4I	05/10/2022		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	11/16/2022		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	04/26/2023		0.3100	*	0.1000
Fluoride	mg/L	MW-4I	10/06/2023		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	04/09/2024		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	10/03/2024		0.3200	*	0.1000
Fluoride	mg/L	MW-4I	04/14/2025		0.3000	*	0.1000
Fluoride	mg/L	MW-6I	04/20/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	06/01/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	08/11/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	09/29/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	12/01/2016		0.3300	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6I	01/30/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/25/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	08/10/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-6I	09/27/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	05/22/2018		0.2200	*	0.1000
Fluoride	mg/L	MW-6I	09/12/2018		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2019		0.2500	*	0.1000
Fluoride	mg/L	MW-6I	11/14/2019		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-6I	11/10/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/18/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-6I	11/09/2021		0.2700	*	0.1000
Fluoride	mg/L	MW-6I	05/11/2022		0.3500	*	0.1000
Fluoride	mg/L	MW-6I	11/15/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/01/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	10/10/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	04/04/2024		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	10/02/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-6I	04/10/2025		0.2300	*	0.1000
Fluoride	mg/L	MW-9I	04/21/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	05/31/2016		0.3800	*	0.1000
Fluoride	mg/L	MW-9I	08/11/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-9I	09/29/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-9I	11/30/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-9I	01/30/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-9I	05/24/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	08/10/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-9I	09/26/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	05/21/2018		0.3500	*	0.1000
Fluoride	mg/L	MW-9I	09/12/2018		0.2400	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-9I	05/07/2019		0.4400	*	0.1000
Fluoride	mg/L	MW-9I	11/13/2019		0.3600	*	0.1000
Fluoride	mg/L	MW-9I	05/06/2020		0.5000	*	0.1000
Fluoride	mg/L	MW-9I	11/10/2020		0.4500	*	0.1000
Fluoride	mg/L	MW-9I	05/13/2021		0.3500	*	0.1000
Fluoride	mg/L	MW-9I	11/12/2021		0.3200	*	0.1000
Fluoride	mg/L	MW-9I	05/09/2022		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	11/15/2022		0.2800	*	0.1000
Fluoride	mg/L	MW-9I	05/08/2023		0.1100	*	0.1000
Fluoride	mg/L	MW-9I	10/09/2023		0.2200	*	0.1000
Fluoride	mg/L	MW-9I	04/04/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-9I	10/09/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-9I	04/01/2025		0.2700	*	0.1000
pH (field)	S.U.	MW-9I	04/21/2016		7.6300		6.40 - 7.98
pH (field)	S.U.	MW-9I	05/31/2016		7.2900		6.40 - 7.98
pH (field)	S.U.	MW-9I	08/11/2016		7.3800		6.40 - 7.98
pH (field)	S.U.	MW-9I	09/29/2016		7.2700		6.40 - 7.98
pH (field)	S.U.	MW-9I	11/30/2016		7.2900		6.40 - 7.98
pH (field)	S.U.	MW-9I	01/30/2017		6.8900		6.40 - 7.98
pH (field)	S.U.	MW-9I	05/24/2017		7.5300		6.40 - 7.98
pH (field)	S.U.	MW-9I	08/10/2017		7.3900		6.40 - 7.98
pH (field)	S.U.	MW-9I	09/26/2017		7.4600		6.40 - 7.98
pH (field)	S.U.	MW-9I	05/21/2018		7.4100		6.40 - 7.98
pH (field)	S.U.	MW-9I	09/12/2018		7.3900		6.40 - 7.98
pH (field)	S.U.	MW-9I	05/07/2019		7.6400		6.40 - 7.98
pH (field)	S.U.	MW-9I	11/13/2019		7.5800		6.40 - 7.98
pH (field)	S.U.	MW-9I	05/06/2020		7.5000		6.40 - 7.98
pH (field)	S.U.	MW-9I	11/10/2020		7.5300		6.40 - 7.98
pH (field)	S.U.	MW-9I	05/13/2021		7.6900		6.40 - 7.98
pH (field)	S.U.	MW-9I	11/12/2021		7.5000		6.40 - 7.98

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
pH (field)	S.U.	MW-9I	05/09/2022		7.5500		6.40 - 7.98
pH (field)	S.U.	MW-9I	11/15/2022		7.7900		6.40 - 7.98
pH (field)	S.U.	MW-9I	05/08/2023		7.8100		6.40 - 7.98
pH (field)	S.U.	MW-9I	10/09/2023		7.8400		6.40 - 7.98
pH (field)	S.U.	MW-9I	04/04/2024		7.5747		6.40 - 7.98
pH (field)	S.U.	MW-9I	10/09/2024		7.3500		6.40 - 7.98
pH (field)	S.U.	MW-9I	04/01/2025		7.9900	*	6.40 - 7.98
Sulfate	mg/L	MW-10I	08/09/2019		198.0000	*	40.5622
Sulfate	mg/L	MW-10I	11/12/2021	ND	0.2500		40.5622
Sulfate	mg/L	MW-10I	05/18/2022		267.0000	*	40.5622
Sulfate	mg/L	MW-10I	11/28/2022		238.0000	*	40.5622
Sulfate	mg/L	MW-10I	05/08/2023		425.0000	*	40.5622
Sulfate	mg/L	MW-10I	10/10/2023		441.0000	*	40.5622
Sulfate	mg/L	MW-10I	04/03/2024		551.0000	*	40.5622
Sulfate	mg/L	MW-10I	10/10/2024		522.0000	*	40.5622
Sulfate	mg/L	MW-10I	04/04/2025		524.0000	*	40.5622
Sulfate	mg/L	MW-11I	04/20/2016		321.0000	*	40.5622
Sulfate	mg/L	MW-11I	06/02/2016		259.0000	*	40.5622
Sulfate	mg/L	MW-11I	08/12/2016		349.0000	*	40.5622
Sulfate	mg/L	MW-11I	09/30/2016		305.0000	*	40.5622
Sulfate	mg/L	MW-11I	12/01/2016		301.0000	*	40.5622
Sulfate	mg/L	MW-11I	01/31/2017		342.0000	*	40.5622
Sulfate	mg/L	MW-11I	05/25/2017		282.0000	*	40.5622
Sulfate	mg/L	MW-11I	08/10/2017		318.0000	*	40.5622
Sulfate	mg/L	MW-11I	09/28/2017		218.0000	*	40.5622
Sulfate	mg/L	MW-11I	05/22/2018		230.0000	*	40.5622
Sulfate	mg/L	MW-11I	09/12/2018		243.0000	*	40.5622
Sulfate	mg/L	MW-11I	05/08/2019		259.0000	*	40.5622
Sulfate	mg/L	MW-11I	11/14/2019		252.0000	*	40.5622
Sulfate	mg/L	MW-11I	05/07/2020		231.0000	*	40.5622

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-11I	11/12/2020		120.0000	*	40.5622
Sulfate	mg/L	MW-11I	05/17/2021		85.6000	*	40.5622
Sulfate	mg/L	MW-11I	11/17/2021		163.0000	*	40.5622
Sulfate	mg/L	MW-11I	05/12/2022		96.8000	*	40.5622
Sulfate	mg/L	MW-11I	11/21/2022		192.0000	*	40.5622
Sulfate	mg/L	MW-11I	05/02/2023		76.5000	*	40.5622
Sulfate	mg/L	MW-11I	10/09/2023		122.0000	*	40.5622
Sulfate	mg/L	MW-11I	04/09/2024		104.0000	*	40.5622
Sulfate	mg/L	MW-11I	10/15/2024		92.9000	*	40.5622
Sulfate	mg/L	MW-11I	04/03/2025		89.3000	*	40.5622
Sulfate	mg/L	MW-12I	03/29/2023		245.0000	*	40.5622
Sulfate	mg/L	MW-12I	04/27/2023		219.0000	*	40.5622
Sulfate	mg/L	MW-12I	07/06/2023		279.0000	*	40.5622
Sulfate	mg/L	MW-12I	10/11/2023		198.0000	*	40.5622
Sulfate	mg/L	MW-12I	04/16/2024		171.0000	*	40.5622
Sulfate	mg/L	MW-12I	10/01/2024		147.0000	*	40.5622
Sulfate	mg/L	MW-12I	04/17/2025		136.0000	*	40.5622
Sulfate	mg/L	MW-1I	04/19/2016		145.0000	*	40.5622
Sulfate	mg/L	MW-1I	06/02/2016		163.0000	*	40.5622
Sulfate	mg/L	MW-1I	08/10/2016		174.0000	*	40.5622
Sulfate	mg/L	MW-1I	09/30/2016		165.0000	*	40.5622
Sulfate	mg/L	MW-1I	12/02/2016		157.0000	*	40.5622
Sulfate	mg/L	MW-1I	01/31/2017		164.0000	*	40.5622
Sulfate	mg/L	MW-1I	05/26/2017		146.0000	*	40.5622
Sulfate	mg/L	MW-1I	08/11/2017		194.0000	*	40.5622
Sulfate	mg/L	MW-1I	09/28/2017		217.0000	*	40.5622
Sulfate	mg/L	MW-1I	05/23/2018		185.0000	*	40.5622
Sulfate	mg/L	MW-1I	09/11/2018		187.0000	*	40.5622
Sulfate	mg/L	MW-1I	05/08/2019		174.0000	*	40.5622
Sulfate	mg/L	MW-1I	11/14/2019		98.4000	*	40.5622

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-1I	05/05/2020		95.8000	*	40.5622
Sulfate	mg/L	MW-1I	11/11/2020		83.7000	*	40.5622
Sulfate	mg/L	MW-1I	05/25/2021		117.0000	*	40.5622
Sulfate	mg/L	MW-1I	11/09/2021		71.8000	*	40.5622
Sulfate	mg/L	MW-1I	05/10/2022		80.8000	*	40.5622
Sulfate	mg/L	MW-1I	11/22/2022		168.0000	*	40.5622
Sulfate	mg/L	MW-1I	04/19/2023		95.9000	*	40.5622
Sulfate	mg/L	MW-1I	10/11/2023		89.7000	*	40.5622
Sulfate	mg/L	MW-1I	04/09/2024		95.1000	*	40.5622
Sulfate	mg/L	MW-1I	10/15/2024		72.4000	*	40.5622
Sulfate	mg/L	MW-1I	04/22/2025		98.4000	*	40.5622
Sulfate	mg/L	MW-26I	03/27/2023		210.0000	*	40.5622
Sulfate	mg/L	MW-26I	05/04/2023		733.0000	*	40.5622
Sulfate	mg/L	MW-26I	07/05/2023		142.0000	*	40.5622
Sulfate	mg/L	MW-26I	10/16/2023		83.6000	*	40.5622
Sulfate	mg/L	MW-26I	04/03/2024		119.0000	*	40.5622
Sulfate	mg/L	MW-26I	10/02/2024		110.0000	*	40.5622
Sulfate	mg/L	MW-26I	04/03/2025		133.0000	*	40.5622
Sulfate	mg/L	MW-2I	04/19/2016		202.0000	*	40.5622
Sulfate	mg/L	MW-2I	06/01/2016		138.0000	*	40.5622
Sulfate	mg/L	MW-2I	08/11/2016		156.0000	*	40.5622
Sulfate	mg/L	MW-2I	09/30/2016		149.0000	*	40.5622
Sulfate	mg/L	MW-2I	12/02/2016		191.0000	*	40.5622
Sulfate	mg/L	MW-2I	01/31/2017		207.0000	*	40.5622
Sulfate	mg/L	MW-2I	05/26/2017		195.0000	*	40.5622
Sulfate	mg/L	MW-2I	08/11/2017		205.0000	*	40.5622
Sulfate	mg/L	MW-2I	09/27/2017		118.0000	*	40.5622
Sulfate	mg/L	MW-2I	05/22/2018		80.4000	*	40.5622
Sulfate	mg/L	MW-2I	09/11/2018		82.4000	*	40.5622
Sulfate	mg/L	MW-2I	05/09/2019		78.9000	*	40.5622

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-2I	11/13/2019		82.8000	*	40.5622
Sulfate	mg/L	MW-2I	05/05/2020		79.6000	*	40.5622
Sulfate	mg/L	MW-2I	11/11/2020		70.4000	*	40.5622
Sulfate	mg/L	MW-2I	05/11/2021		112.0000	*	40.5622
Sulfate	mg/L	MW-2I	11/10/2021		82.1000	*	40.5622
Sulfate	mg/L	MW-2I	05/11/2022		80.2000	*	40.5622
Sulfate	mg/L	MW-2I	11/15/2022		185.0000	*	40.5622
Sulfate	mg/L	MW-2I	04/19/2023		142.0000	*	40.5622
Sulfate	mg/L	MW-2I	10/10/2023		88.5000	*	40.5622
Sulfate	mg/L	MW-2I	04/05/2024		80.3000	*	40.5622
Sulfate	mg/L	MW-2I	10/07/2024		78.4000	*	40.5622
Sulfate	mg/L	MW-2I	04/14/2025		94.5000	*	40.5622
Sulfate	mg/L	MW-3I	04/20/2016		164.0000	*	40.5622
Sulfate	mg/L	MW-3I	06/01/2016		148.0000	*	40.5622
Sulfate	mg/L	MW-3I	08/11/2016		172.0000	*	40.5622
Sulfate	mg/L	MW-3I	09/30/2016		146.0000	*	40.5622
Sulfate	mg/L	MW-3I	12/02/2016		124.0000	*	40.5622
Sulfate	mg/L	MW-3I	01/31/2017		110.0000	*	40.5622
Sulfate	mg/L	MW-3I	05/25/2017		90.7000	*	40.5622
Sulfate	mg/L	MW-3I	08/11/2017		72.4000	*	40.5622
Sulfate	mg/L	MW-3I	09/27/2017		55.7000	*	40.5622
Sulfate	mg/L	MW-3I	05/22/2018		91.2000	*	40.5622
Sulfate	mg/L	MW-3I	09/11/2018		89.1000	*	40.5622
Sulfate	mg/L	MW-3I	05/09/2019		76.9000	*	40.5622
Sulfate	mg/L	MW-3I	11/13/2019		69.0000	*	40.5622
Sulfate	mg/L	MW-3I	05/05/2020		63.9000	*	40.5622
Sulfate	mg/L	MW-3I	11/11/2020		85.9000	*	40.5622
Sulfate	mg/L	MW-3I	05/11/2021		215.0000	*	40.5622
Sulfate	mg/L	MW-3I	11/18/2021		138.0000	*	40.5622
Sulfate	mg/L	MW-3I	05/11/2022		185.0000	*	40.5622

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-3I	11/15/2022		156.0000	*	40.5622
Sulfate	mg/L	MW-3I	04/17/2023		101.0000	*	40.5622
Sulfate	mg/L	MW-3I	10/09/2023		76.4000	*	40.5622
Sulfate	mg/L	MW-3I	04/04/2024		95.8000	*	40.5622
Sulfate	mg/L	MW-3I	10/07/2024		182.0000	*	40.5622
Sulfate	mg/L	MW-3I	04/18/2025		95.9000	*	40.5622
Sulfate	mg/L	MW-4I	04/20/2016		98.4000	*	40.5622
Sulfate	mg/L	MW-4I	06/01/2016		63.1000	*	40.5622
Sulfate	mg/L	MW-4I	08/11/2016		81.8000	*	40.5622
Sulfate	mg/L	MW-4I	09/29/2016		87.6000	*	40.5622
Sulfate	mg/L	MW-4I	12/01/2016		111.0000	*	40.5622
Sulfate	mg/L	MW-4I	01/31/2017		111.0000	*	40.5622
Sulfate	mg/L	MW-4I	05/25/2017		85.3000	*	40.5622
Sulfate	mg/L	MW-4I	08/10/2017		104.0000	*	40.5622
Sulfate	mg/L	MW-4I	09/28/2017		69.2000	*	40.5622
Sulfate	mg/L	MW-4I	05/21/2018		61.8000	*	40.5622
Sulfate	mg/L	MW-4I	09/11/2018		56.9000	*	40.5622
Sulfate	mg/L	MW-4I	05/07/2019		69.1000	*	40.5622
Sulfate	mg/L	MW-4I	11/13/2019		62.5000	*	40.5622
Sulfate	mg/L	MW-4I	05/06/2020		66.5000	*	40.5622
Sulfate	mg/L	MW-4I	11/10/2020		69.0000	*	40.5622
Sulfate	mg/L	MW-4I	05/12/2021		64.4000	*	40.5622
Sulfate	mg/L	MW-4I	11/18/2021		240.0000	*	40.5622
Sulfate	mg/L	MW-4I	05/10/2022		120.0000	*	40.5622
Sulfate	mg/L	MW-4I	11/16/2022		64.6000	*	40.5622
Sulfate	mg/L	MW-4I	04/26/2023		55.4000	*	40.5622
Sulfate	mg/L	MW-4I	10/06/2023		62.7000	*	40.5622
Sulfate	mg/L	MW-4I	04/09/2024		74.3000	*	40.5622
Sulfate	mg/L	MW-4I	10/03/2024		80.5000	*	40.5622
Sulfate	mg/L	MW-4I	04/14/2025		59.4000	*	40.5622

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-6I	04/20/2016		207.0000	*	40.5622
Sulfate	mg/L	MW-6I	06/01/2016		143.0000	*	40.5622
Sulfate	mg/L	MW-6I	08/11/2016		159.0000	*	40.5622
Sulfate	mg/L	MW-6I	09/29/2016		186.0000	*	40.5622
Sulfate	mg/L	MW-6I	12/01/2016		198.0000	*	40.5622
Sulfate	mg/L	MW-6I	01/30/2017		234.0000	*	40.5622
Sulfate	mg/L	MW-6I	05/25/2017		198.0000	*	40.5622
Sulfate	mg/L	MW-6I	08/10/2017		271.0000	*	40.5622
Sulfate	mg/L	MW-6I	09/27/2017		185.0000	*	40.5622
Sulfate	mg/L	MW-6I	05/22/2018		202.0000	*	40.5622
Sulfate	mg/L	MW-6I	09/12/2018		186.0000	*	40.5622
Sulfate	mg/L	MW-6I	05/08/2019		176.0000	*	40.5622
Sulfate	mg/L	MW-6I	11/14/2019		229.0000	*	40.5622
Sulfate	mg/L	MW-6I	05/08/2020		201.0000	*	40.5622
Sulfate	mg/L	MW-6I	11/10/2020		128.0000	*	40.5622
Sulfate	mg/L	MW-6I	05/18/2021		86.1000	*	40.5622
Sulfate	mg/L	MW-6I	11/09/2021		1480.0000	*	40.5622
Sulfate	mg/L	MW-6I	05/11/2022		143.0000	*	40.5622
Sulfate	mg/L	MW-6I	11/15/2022		163.0000	*	40.5622
Sulfate	mg/L	MW-6I	05/01/2023		189.0000	*	40.5622
Sulfate	mg/L	MW-6I	10/10/2023		172.0000	*	40.5622
Sulfate	mg/L	MW-6I	04/04/2024		201.0000	*	40.5622
Sulfate	mg/L	MW-6I	10/02/2024		178.0000	*	40.5622
Sulfate	mg/L	MW-6I	04/10/2025		120.0000	*	40.5622
Sulfate	mg/L	MW-9I	04/21/2016		94.0000	*	40.5622
Sulfate	mg/L	MW-9I	05/31/2016		70.0000	*	40.5622
Sulfate	mg/L	MW-9I	08/11/2016		94.9000	*	40.5622
Sulfate	mg/L	MW-9I	09/29/2016		126.0000	*	40.5622
Sulfate	mg/L	MW-9I	11/30/2016		73.1000	*	40.5622
Sulfate	mg/L	MW-9I	01/30/2017		65.5000	*	40.5622

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-9I	05/24/2017		63.0000	*	40.5622
Sulfate	mg/L	MW-9I	08/10/2017		63.8000	*	40.5622
Sulfate	mg/L	MW-9I	09/26/2017		56.6000	*	40.5622
Sulfate	mg/L	MW-9I	05/21/2018		100.0000	*	40.5622
Sulfate	mg/L	MW-9I	09/12/2018		477.0000	*	40.5622
Sulfate	mg/L	MW-9I	05/07/2019		49.6000	*	40.5622
Sulfate	mg/L	MW-9I	11/13/2019		59.8000	*	40.5622
Sulfate	mg/L	MW-9I	05/06/2020		68.3000	*	40.5622
Sulfate	mg/L	MW-9I	11/10/2020		75.4000	*	40.5622
Sulfate	mg/L	MW-9I	05/13/2021		364.0000	*	40.5622
Sulfate	mg/L	MW-9I	11/12/2021		313.0000	*	40.5622
Sulfate	mg/L	MW-9I	05/09/2022		219.0000	*	40.5622
Sulfate	mg/L	MW-9I	11/15/2022		226.0000	*	40.5622
Sulfate	mg/L	MW-9I	05/08/2023		49.4000	*	40.5622
Sulfate	mg/L	MW-9I	10/09/2023		179.0000	*	40.5622
Sulfate	mg/L	MW-9I	04/04/2024		333.0000	*	40.5622
Sulfate	mg/L	MW-9I	10/09/2024		192.0000	*	40.5622
Sulfate	mg/L	MW-9I	04/01/2025		289.0000	*	40.5622
Total Dissolved Solids	mg/L	MW-10I	08/09/2019		658.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	11/12/2021		547.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	05/18/2022		897.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	11/28/2022		710.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	05/08/2023		1070.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	10/10/2023		1230.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	04/03/2024		1380.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	10/10/2024		1400.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-10I	04/04/2025		1300.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	04/20/2016		763.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	06/02/2016		809.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	08/12/2016		810.0000	*	523.4046

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-11I	09/30/2016		809.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	12/01/2016		803.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	01/31/2017		802.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	05/25/2017		830.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	08/10/2017		806.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	09/28/2017		802.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	05/22/2018		816.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	09/12/2018		821.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	05/08/2019		804.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	11/14/2019		759.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	05/07/2020		704.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	11/12/2020		524.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	05/17/2021		477.0000		523.4046
Total Dissolved Solids	mg/L	MW-11I	11/17/2021		597.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	05/12/2022		504.0000		523.4046
Total Dissolved Solids	mg/L	MW-11I	11/21/2022		615.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	05/02/2023		479.0000		523.4046
Total Dissolved Solids	mg/L	MW-11I	10/09/2023		570.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	04/09/2024		496.0000		523.4046
Total Dissolved Solids	mg/L	MW-11I	10/15/2024		558.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-11I	04/03/2025		515.0000		523.4046
Total Dissolved Solids	mg/L	MW-12I	03/29/2023		694.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-12I	04/27/2023		739.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-12I	07/06/2023		832.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-12I	10/11/2023		756.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-12I	04/16/2024		664.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-12I	10/01/2024		686.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-12I	04/17/2025		634.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	04/19/2016		632.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	06/02/2016		627.0000	*	523.4046

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-1I	08/10/2016		652.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	09/30/2016		624.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	12/02/2016		594.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	01/31/2017		588.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	05/26/2017		609.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	08/11/2017		675.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	09/28/2017		704.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	05/23/2018		784.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	09/11/2018		695.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	05/08/2019		614.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	11/14/2019		547.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	05/05/2020		481.0000		523.4046
Total Dissolved Solids	mg/L	MW-1I	11/11/2020		479.0000		523.4046
Total Dissolved Solids	mg/L	MW-1I	05/25/2021		548.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	11/09/2021		460.0000		523.4046
Total Dissolved Solids	mg/L	MW-1I	05/10/2022		490.0000		523.4046
Total Dissolved Solids	mg/L	MW-1I	11/22/2022		657.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	04/19/2023		501.0000		523.4046
Total Dissolved Solids	mg/L	MW-1I	10/11/2023		557.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-1I	04/09/2024		472.0000		523.4046
Total Dissolved Solids	mg/L	MW-1I	10/15/2024		480.0000		523.4046
Total Dissolved Solids	mg/L	MW-1I	04/22/2025		570.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	03/27/2023		719.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	05/04/2023		1660.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	07/05/2023		704.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	10/16/2023		538.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	04/03/2024		573.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	10/02/2024		589.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-26I	04/03/2025		671.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	04/19/2016		577.0000	*	523.4046

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-2I	06/01/2016		539.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	08/11/2016		603.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	09/30/2016		568.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	12/02/2016		584.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	01/31/2017		620.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	05/26/2017		670.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	08/11/2017		693.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	09/27/2017		643.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	05/22/2018		516.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	09/11/2018		498.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	05/09/2019		490.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	11/13/2019		430.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	05/05/2020		448.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	11/11/2020		442.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	05/11/2021		567.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	11/10/2021		477.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	05/11/2022		509.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	11/15/2022		764.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	04/19/2023		649.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	10/10/2023		527.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-2I	04/05/2024		471.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	10/07/2024		489.0000		523.4046
Total Dissolved Solids	mg/L	MW-2I	04/14/2025		569.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	04/20/2016		680.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	06/01/2016		570.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	08/11/2016		616.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	09/30/2016		629.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	12/02/2016		549.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	01/31/2017		517.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	05/25/2017		496.0000		523.4046

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-3I	08/11/2017		511.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	09/27/2017		497.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	05/22/2018		497.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	09/11/2018		485.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	05/09/2019		467.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	11/13/2019		449.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	05/05/2020		400.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	11/11/2020		454.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	05/11/2021		678.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	11/18/2021		686.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	05/11/2022		792.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	11/15/2022		697.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	04/17/2023		513.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	10/09/2023		462.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	04/04/2024		493.0000		523.4046
Total Dissolved Solids	mg/L	MW-3I	10/07/2024		678.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-3I	04/18/2025		600.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	04/20/2016		531.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	06/01/2016		491.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	08/11/2016		533.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	09/29/2016		487.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	12/01/2016		517.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	01/31/2017		491.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	05/25/2017		488.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	08/10/2017		534.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	09/28/2017		529.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	05/21/2018		415.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	09/11/2018		424.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	05/07/2019		447.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	11/13/2019		416.0000		523.4046

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-4I	05/06/2020		416.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	11/10/2020		426.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	05/12/2021		412.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	11/18/2021		760.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	05/10/2022		553.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	11/16/2022		478.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	04/26/2023		454.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	10/06/2023		462.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	04/09/2024		495.0000		523.4046
Total Dissolved Solids	mg/L	MW-4I	10/03/2024		620.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-4I	04/14/2025		614.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	04/20/2016		878.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	06/01/2016		900.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	08/11/2016		874.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	09/29/2016		879.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	12/01/2016		954.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	01/30/2017		866.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	05/25/2017		857.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	08/10/2017		852.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	09/27/2017		837.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	05/22/2018		772.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	09/12/2018		772.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	05/08/2019		744.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	11/14/2019		824.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	05/08/2020		673.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	11/10/2020		562.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	05/18/2021		521.0000		523.4046
Total Dissolved Solids	mg/L	MW-6I	11/09/2021		594.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	05/11/2022		612.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	11/15/2022		607.0000	*	523.4046

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-6I	05/01/2023		668.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	10/10/2023		677.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	04/04/2024		673.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	10/02/2024		802.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-6I	04/10/2025		706.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	04/21/2016		442.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	05/31/2016		437.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	08/11/2016		484.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	09/29/2016		540.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	11/30/2016		418.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	01/30/2017		376.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	05/24/2017		409.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	08/10/2017		418.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	09/26/2017		427.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	05/21/2018		500.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	09/12/2018		1260.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	05/07/2019		369.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	11/13/2019		403.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	05/06/2020		451.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	11/10/2020		440.0000		523.4046
Total Dissolved Solids	mg/L	MW-9I	05/13/2021		866.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	11/12/2021		858.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	05/09/2022		752.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	11/15/2022		728.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	05/08/2023		541.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	10/09/2023		684.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	04/04/2024		932.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	10/09/2024		686.0000	*	523.4046
Total Dissolved Solids	mg/L	MW-9I	04/01/2025		902.0000	*	523.4046

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13I	05/07/2020	ND	6.0000	1.0000	**
Antimony, Total	ug/L	MW-13I	11/12/2020	ND	1.0000		
Antimony, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13I	11/18/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13I	04/04/2025	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Arsenic, Total	ug/L	MW-13I	11/12/2020		2.0000		
Arsenic, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	11/18/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13I	04/04/2025	ND	1.0000		
Barium, Total	ug/L	MW-13I	08/08/2019		36.0000		
Barium, Total	ug/L	MW-13I	09/24/2019		35.6000		
Barium, Total	ug/L	MW-13I	05/07/2020		38.1000		
Barium, Total	ug/L	MW-13I	11/12/2020		38.0000		
Barium, Total	ug/L	MW-13I	02/25/2021		42.2000		
Barium, Total	ug/L	MW-13I	03/29/2021		46.0000		
Barium, Total	ug/L	MW-13I	05/20/2021		42.4000		
Barium, Total	ug/L	MW-13I	06/22/2021		41.3000		
Barium, Total	ug/L	MW-13I	07/27/2021		43.6000		
Barium, Total	ug/L	MW-13I	11/16/2021		37.9000		
Barium, Total	ug/L	MW-13I	05/19/2022		44.0000		
Barium, Total	ug/L	MW-13I	11/18/2022		42.2000		
Barium, Total	ug/L	MW-13I	04/18/2023		37.8000		
Barium, Total	ug/L	MW-13I	10/11/2023		35.4000		
Barium, Total	ug/L	MW-13I	04/10/2024		34.4000		
Barium, Total	ug/L	MW-13I	10/04/2024		29.0000		
Barium, Total	ug/L	MW-13I	04/04/2025		30.2000		
Beryllium, Total	ug/L	MW-13I	08/08/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	09/24/2019	ND	0.2000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, Total	ug/L	MW-13I	05/07/2020	ND	4.0000	0.2000	**
Beryllium, Total	ug/L	MW-13I	11/12/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	02/25/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	03/29/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	05/20/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	06/22/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	07/27/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	05/19/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	04/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	04/10/2024	ND	0.2000		
Beryllium, Total	ug/L	MW-13I	04/04/2025	ND	0.2000		
Boron, Total	ug/L	MW-13I	08/08/2019	ND	100.0000		
Boron, Total	ug/L	MW-13I	09/24/2019	ND	100.0000		
Boron, Total	ug/L	MW-13I	05/07/2020	ND	100.0000		
Boron, Total	ug/L	MW-13I	11/12/2020	ND	100.0000		
Boron, Total	ug/L	MW-13I	02/25/2021	ND	100.0000		
Boron, Total	ug/L	MW-13I	03/29/2021	ND	100.0000		
Boron, Total	ug/L	MW-13I	05/20/2021	ND	100.0000		
Boron, Total	ug/L	MW-13I	06/22/2021	ND	100.0000		
Boron, Total	ug/L	MW-13I	07/27/2021	ND	100.0000		
Boron, Total	ug/L	MW-13I	11/16/2021	ND	100.0000		
Boron, Total	ug/L	MW-13I	05/19/2022	ND	100.0000		
Boron, Total	ug/L	MW-13I	11/18/2022	ND	100.0000		
Boron, Total	ug/L	MW-13I	04/18/2023	ND	100.0000		
Boron, Total	ug/L	MW-13I	10/11/2023	ND	100.0000		
Boron, Total	ug/L	MW-13I	04/10/2024	ND	100.0000		
Boron, Total	ug/L	MW-13I	10/04/2024	ND	100.0000		
Boron, Total	ug/L	MW-13I	04/04/2025	ND	100.0000		
Cadmium, Total	ug/L	MW-13I	08/08/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	09/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	05/07/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	11/12/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	02/25/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	03/29/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	05/20/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	06/22/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	07/27/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	05/19/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	04/18/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	04/10/2024	ND	2.0000		
Cadmium, Total	ug/L	MW-13I	04/04/2025	ND	2.0000		
Chromium, Total	ug/L	MW-13I	08/08/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13I	09/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13I	05/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13I	11/12/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13I	02/25/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	03/29/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	05/20/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	06/22/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	07/27/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13I	05/19/2022	ND	10.0000		
Chromium, Total	ug/L	MW-13I	04/18/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13I	04/10/2024	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, Total	ug/L	MW-13I	04/04/2025	ND	10.0000		
Cobalt, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Cobalt, Total	ug/L	MW-13I	11/12/2020		1.0000		
Cobalt, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13I	04/04/2025	ND	1.0000		
Fluoride	mg/L	MW-13I	08/08/2019	ND	0.1000		
Fluoride	mg/L	MW-13I	09/24/2019	ND	0.1000		
Fluoride	mg/L	MW-13I	05/07/2020	ND	0.1000		
Fluoride	mg/L	MW-13I	11/12/2020	ND	0.1000		
Fluoride	mg/L	MW-13I	02/25/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	03/29/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	05/20/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	06/22/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	07/27/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	11/16/2021	ND	0.1000		
Fluoride	mg/L	MW-13I	05/19/2022	ND	0.1000		
Fluoride	mg/L	MW-13I	11/18/2022	ND	0.1000		
Fluoride	mg/L	MW-13I	04/18/2023	ND	0.1000		
Fluoride	mg/L	MW-13I	10/11/2023	ND	0.1000		
Fluoride	mg/L	MW-13I	04/10/2024	ND	0.1000		
Fluoride	mg/L	MW-13I	10/04/2024	ND	0.1000		
Fluoride	mg/L	MW-13I	04/04/2025	ND	0.1000		
Lead, Total	ug/L	MW-13I	08/08/2019	ND	10.0000		
Lead, Total	ug/L	MW-13I	09/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-13I	05/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-13I	11/12/2020	ND	10.0000		
Lead, Total	ug/L	MW-13I	02/25/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	03/29/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	05/20/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	06/22/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	07/27/2021	ND	10.0000		
Lead, Total	ug/L	MW-13I	05/19/2022	ND	10.0000		
Lead, Total	ug/L	MW-13I	04/18/2023	ND	10.0000		
Lead, Total	ug/L	MW-13I	04/10/2024	ND	10.0000		
Lead, Total	ug/L	MW-13I	10/04/2024	ND	10.0000		
Lead, Total	ug/L	MW-13I	04/04/2025	ND	10.0000		
Lithium, Total	ug/L	MW-13I	08/08/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13I	09/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13I	05/07/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13I	11/12/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13I	02/25/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lithium, Total	ug/L	MW-13I	03/29/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	05/20/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	06/22/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	07/27/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	11/16/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13I	05/19/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13I	11/18/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13I	04/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13I	10/11/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13I	04/10/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13I	10/04/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13I	04/04/2025	ND	20.0000		
Mercury	ug/L	MW-13I	08/08/2019	ND	2.0000		
Mercury	ug/L	MW-13I	09/24/2019	ND	2.0000		
Mercury	ug/L	MW-13I	11/12/2020	ND	2.0000		
Mercury	ug/L	MW-13I	02/25/2021	ND	2.0000		
Mercury	ug/L	MW-13I	03/29/2021	ND	2.0000		
Mercury	ug/L	MW-13I	05/20/2021	ND	2.0000		
Mercury	ug/L	MW-13I	06/22/2021	ND	2.0000		
Mercury	ug/L	MW-13I	07/27/2021	ND	2.0000		
Mercury	ug/L	MW-13I	05/19/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13I	04/18/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13I	04/10/2024	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13I	04/04/2025	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-13I	08/08/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	09/24/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	05/07/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	11/12/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	02/25/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	03/29/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	05/20/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	06/22/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	07/27/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	11/16/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	05/19/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	11/18/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	04/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	10/11/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	04/10/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	10/04/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13I	04/04/2025	ND	10.0000		
Selenium, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Selenium, Total	ug/L	MW-13I	11/12/2020	ND	1.0000		
Selenium, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	11/16/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13I	11/18/2022	ND	1.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13I	10/11/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Selenium, Total	ug/L	MW-13I	10/04/2024	ND	1.0000		
Selenium, Total	ug/L	MW-13I	04/04/2025	ND	1.0000		
Thallium, Total	ug/L	MW-13I	08/08/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13I	09/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13I	05/07/2020	ND	10.0000	1.0000	**
Thallium, Total	ug/L	MW-13I	11/12/2020	ND	1.0000		
Thallium, Total	ug/L	MW-13I	02/25/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	03/29/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	05/20/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	06/22/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	07/27/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13I	05/19/2022	ND	1.0000		
Thallium, Total	ug/L	MW-13I	04/18/2023	ND	1.0000		
Thallium, Total	ug/L	MW-13I	04/10/2024	ND	1.0000		
Thallium, Total	ug/L	MW-13I	04/04/2025	ND	1.0000		
Total Radium	pCi/L	MW-13I	08/08/2019		0.8760		
Total Radium	pCi/L	MW-13I	09/24/2019		1.1500		
Total Radium	pCi/L	MW-13I	11/12/2020		0.7030		
Total Radium	pCi/L	MW-13I	02/25/2021		1.0800		
Total Radium	pCi/L	MW-13I	03/29/2021	ND	1.4900	1.8800	**
Total Radium	pCi/L	MW-13I	05/20/2021	ND	2.0100	1.8800	**
Total Radium	pCi/L	MW-13I	06/22/2021		0.8170		
Total Radium	pCi/L	MW-13I	07/27/2021	ND	1.3500	1.8800	**
Total Radium	pCi/L	MW-13I	11/16/2021		0.5810		
Total Radium	pCi/L	MW-13I	05/19/2022		1.2800		
Total Radium	pCi/L	MW-13I	11/18/2022		1.0300		
Total Radium	pCi/L	MW-13I	04/18/2023	ND	1.8800		
Total Radium	pCi/L	MW-13I	10/11/2023		0.7400		
Total Radium	pCi/L	MW-13I	04/10/2024	ND	3.0400	1.8800	**
Total Radium	pCi/L	MW-13I	10/04/2024	ND	2.3300	1.8800	**
Total Radium	pCi/L	MW-13I	04/04/2025		1.5900		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10I	04/04/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-11I	04/03/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-12I	04/17/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1I	04/22/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-26I	04/03/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2I	04/14/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-3I	04/18/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-4I	04/14/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6I	04/10/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9I	04/01/2025	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-10I	04/04/2025	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-11I	04/03/2025		1.8000		2.0000
Arsenic, Total	ug/L	MW-12I	04/17/2025	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-1I	04/22/2025	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-26I	04/03/2025	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-2I	04/14/2025	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-3I	04/18/2025	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-4I	04/14/2025		1.5000		2.0000
Arsenic, Total	ug/L	MW-6I	04/10/2025	ND	1.0000		2.0000
Arsenic, Total	ug/L	MW-9I	04/01/2025	ND	1.0000		2.0000
Barium, Total	ug/L	MW-10I	04/04/2025		40.8000		51.1548
Barium, Total	ug/L	MW-11I	04/03/2025		58.4000	***	51.1548
Barium, Total	ug/L	MW-12I	04/17/2025		65.6000	***	51.1548
Barium, Total	ug/L	MW-1I	04/22/2025		55.8000	*	51.1548
Barium, Total	ug/L	MW-26I	04/03/2025		97.0000	***	51.1548
Barium, Total	ug/L	MW-2I	04/14/2025		72.5000	***	51.1548
Barium, Total	ug/L	MW-3I	04/18/2025		67.3000	***	51.1548
Barium, Total	ug/L	MW-4I	04/14/2025		97.1000	***	51.1548
Barium, Total	ug/L	MW-6I	04/10/2025		75.5000	***	51.1548
Barium, Total	ug/L	MW-9I	04/01/2025		70.5000	*	51.1548
Beryllium, Total	ug/L	MW-10I	04/04/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11I	04/03/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12I	04/17/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1I	04/22/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-26I	04/03/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2I	04/14/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-3I	04/18/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-4I	04/14/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6I	04/10/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9I	04/01/2025	ND	0.2000		0.2000
Boron, Total	ug/L	MW-10I	04/04/2025		1630.0000	***	100.0000
Boron, Total	ug/L	MW-11I	04/03/2025		538.0000	***	100.0000
Boron, Total	ug/L	MW-12I	04/17/2025		984.0000	***	100.0000
Boron, Total	ug/L	MW-1I	04/22/2025		328.0000	***	100.0000
Boron, Total	ug/L	MW-26I	04/03/2025		106.0000	***	100.0000
Boron, Total	ug/L	MW-2I	04/14/2025		189.0000	***	100.0000
Boron, Total	ug/L	MW-3I	04/18/2025		151.0000	***	100.0000
Boron, Total	ug/L	MW-4I	04/14/2025		128.0000	***	100.0000
Boron, Total	ug/L	MW-6I	04/10/2025		1600.0000	***	100.0000
Boron, Total	ug/L	MW-9I	04/01/2025		235.0000	***	100.0000
Cadmium, Total	ug/L	MW-10I	04/04/2025	ND	2.0000		2.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Cadmium, Total	ug/L	MW-11I	04/03/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12I	04/17/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1I	04/22/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-26I	04/03/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2I	04/14/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-3I	04/18/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-4I	04/14/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6I	04/10/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9I	04/01/2025	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10I	04/04/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11I	04/03/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12I	04/17/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1I	04/22/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-26I	04/03/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2I	04/14/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-3I	04/18/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-4I	04/14/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6I	04/10/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9I	04/01/2025	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10I	04/04/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-11I	04/03/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-12I	04/17/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-1I	04/22/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-26I	04/03/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-2I	04/14/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-3I	04/18/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-4I	04/14/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-6I	04/10/2025	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9I	04/01/2025		1.2000	*	1.0000
Fluoride	mg/L	MW-10I	04/04/2025		0.2600	***	0.1000
Fluoride	mg/L	MW-11I	04/03/2025		0.4300	***	0.1000
Fluoride	mg/L	MW-12I	04/17/2025		0.2600	***	0.1000
Fluoride	mg/L	MW-1I	04/22/2025		0.2700	***	0.1000
Fluoride	mg/L	MW-26I	04/03/2025		0.3900	***	0.1000
Fluoride	mg/L	MW-2I	04/14/2025		0.2800	***	0.1000
Fluoride	mg/L	MW-3I	04/18/2025		0.3600	***	0.1000
Fluoride	mg/L	MW-4I	04/14/2025		0.3000	***	0.1000
Fluoride	mg/L	MW-6I	04/10/2025		0.2300	***	0.1000
Fluoride	mg/L	MW-9I	04/01/2025		0.2700	***	0.1000
Lead, Total	ug/L	MW-10I	04/04/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11I	04/03/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12I	04/17/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1I	04/22/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-26I	04/03/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2I	04/14/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-3I	04/18/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-4I	04/14/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6I	04/10/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9I	04/01/2025	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10I	04/04/2025		58.4000	***	20.0000
Lithium, Total	ug/L	MW-11I	04/03/2025		95.6000	***	20.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-12I	04/17/2025		116.0000	***	20.0000
Lithium, Total	ug/L	MW-1I	04/22/2025		82.1000	***	20.0000
Lithium, Total	ug/L	MW-26I	04/03/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2I	04/14/2025	ND	20.0000	**	20.0000
Lithium, Total	ug/L	MW-3I	04/18/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4I	04/14/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-6I	04/10/2025		117.0000	***	20.0000
Lithium, Total	ug/L	MW-9I	04/01/2025	ND	20.0000	**	20.0000
Mercury	ug/L	MW-10I	04/04/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-11I	04/03/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-12I	04/17/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-1I	04/22/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-26I	04/03/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-2I	04/14/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-3I	04/18/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-4I	04/14/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-6I	04/10/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-9I	04/01/2025	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10I	04/04/2025		121.0000	***	10.0000
Molybdenum, Total	ug/L	MW-11I	04/03/2025		117.0000	***	10.0000
Molybdenum, Total	ug/L	MW-12I	04/17/2025		160.0000	***	10.0000
Molybdenum, Total	ug/L	MW-1I	04/22/2025		88.0000	***	10.0000
Molybdenum, Total	ug/L	MW-26I	04/03/2025		29.7000	***	10.0000
Molybdenum, Total	ug/L	MW-2I	04/14/2025		72.3000	***	10.0000
Molybdenum, Total	ug/L	MW-3I	04/18/2025		44.3000	***	10.0000
Molybdenum, Total	ug/L	MW-4I	04/14/2025	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-6I	04/10/2025		115.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9I	04/01/2025		20.6000	***	10.0000
Selenium, Total	ug/L	MW-10I	04/04/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-11I	04/03/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-12I	04/17/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-1I	04/22/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-26I	04/03/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-2I	04/14/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-3I	04/18/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-4I	04/14/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-6I	04/10/2025	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-9I	04/01/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-10I	04/04/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11I	04/03/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12I	04/17/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1I	04/22/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-26I	04/03/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2I	04/14/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3I	04/18/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-4I	04/14/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6I	04/10/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9I	04/01/2025	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10I	04/04/2025		2.0700		2.0844
Total Radium	pCi/L	MW-11I	04/03/2025		1.4400		2.0844
Total Radium	pCi/L	MW-12I	04/17/2025		0.8040		2.0844

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Total Radium	pCi/L	MW-1I	04/22/2025		1.3000		2.0844
Total Radium	pCi/L	MW-26I	04/03/2025	ND	1.2600		2.0844
Total Radium	pCi/L	MW-2I	04/14/2025		1.7700		2.0844
Total Radium	pCi/L	MW-3I	04/18/2025	ND	1.7600		2.0844
Total Radium	pCi/L	MW-4I	04/14/2025	ND	1.9400		2.0844
Total Radium	pCi/L	MW-6I	04/10/2025		1.4800		2.0844
Total Radium	pCi/L	MW-9I	04/01/2025		1.0000		2.0844

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Antimony, Total	0	17	0.000	0	184	0.000
Arsenic, Total	1	17	0.059	22	184	0.120
Barium, Total	17	17	1.000	184	184	1.000
Beryllium, Total	0	13	0.000	0	127	0.000
Boron, Total	0	17	0.000	186	191	0.974
Cadmium, Total	0	13	0.000	0	127	0.000
Chromium, Total	0	13	0.000	0	125	0.000
Cobalt, Total	1	16	0.063	14	176	0.080
Fluoride	0	17	0.000	191	191	1.000
Lead, Total	0	14	0.000	0	137	0.000
Lithium, Total	0	17	0.000	130	184	0.707
Mercury	0	12	0.000	0	125	0.000
Molybdenum, Total	0	17	0.000	180	184	0.978
Selenium, Total	0	17	0.000	0	184	0.000
Thallium, Total	0	13	0.000	0	127	0.000
Total Radium	10	16	0.625	151	184	0.821

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub
Antimony, Total	0	17	0.000	4.713	4.713				
Arsenic, Total	1	17	0.059	21.983	21.983				
Barium, Total	17	17	1.000	0.000	0.599				
Beryllium, Total	0	13	0.000	3.936	3.936				
Boron, Total	0	17	0.000	4.713	4.713				
Cadmium, Total	0	13	0.000	3.936	3.936				
Chromium, Total	0	13	0.000	3.936	3.936				
Cobalt, Total	1	16	0.063	4.567	4.567				
Fluoride	0	17	0.000	4.713	4.713				
Lead, Total	0	14	0.000	4.155	4.155				
Lithium, Total	0	17	0.000	4.713	4.713				
Mercury	0	12	0.000	3.731	3.731				
Molybdenum, Total	0	17	0.000	4.713	4.713				
Selenium, Total	0	17	0.000	4.713	4.713				
Thallium, Total	0	13	0.000	3.936	3.936				
Total Radium	10	16	0.625	2.319	1.912				

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Crit Value	Dist Form	Model Type
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	normal	normal
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type	
Antimony, Total	ug/L	0	17					1.0000	nonpar	***
Arsenic, Total	ug/L	1	17					2.0000	nonpar	
Barium, Total	ug/L	17	17	38.4765	4.7724	0.0100	2.6566	51.1548	normal	
Beryllium, Total	ug/L	0	13					0.2000	nonpar	***
Boron, Total	ug/L	0	17					100.0000	nonpar	***
Cadmium, Total	ug/L	0	13					2.0000	nonpar	***
Chromium, Total	ug/L	0	13					10.0000	nonpar	***
Cobalt, Total	ug/L	1	16					1.0000	nonpar	***
Fluoride	mg/L	0	17					0.1000	nonpar	***
Lead, Total	ug/L	0	14					10.0000	nonpar	***
Lithium, Total	ug/L	0	17					20.0000	nonpar	***
Mercury	ug/L	0	12					2.0000	nonpar	***
Molybdenum, Total	ug/L	0	17					10.0000	nonpar	***
Selenium, Total	ug/L	0	17					1.0000	nonpar	***
Thallium, Total	ug/L	0	13					1.0000	nonpar	***
Total Radium	pCi/L	10	16	0.6154	0.5480	0.0100	2.6804	2.0844	normal	

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 5

Summary Statistics and Prediction Limits

Conf
0.95
0.95
0.92
0.95
0.92
0.92
0.94
0.95
0.93
0.95
0.91
0.95
0.95
0.92

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-11I	04/20/2016		72.6000	*	51.1548
Barium, Total	ug/L	MW-11I	06/02/2016		68.4000	*	51.1548
Barium, Total	ug/L	MW-11I	08/12/2016		69.2000	*	51.1548
Barium, Total	ug/L	MW-11I	09/30/2016		67.5000	*	51.1548
Barium, Total	ug/L	MW-11I	12/01/2016		74.8000	*	51.1548
Barium, Total	ug/L	MW-11I	01/31/2017		65.3000	*	51.1548
Barium, Total	ug/L	MW-11I	05/25/2017		71.5000	*	51.1548
Barium, Total	ug/L	MW-11I	08/10/2017		65.1000	*	51.1548
Barium, Total	ug/L	MW-11I	05/22/2018		66.1000	*	51.1548
Barium, Total	ug/L	MW-11I	09/12/2018		72.6000	*	51.1548
Barium, Total	ug/L	MW-11I	05/08/2019		65.1000	*	51.1548
Barium, Total	ug/L	MW-11I	11/14/2019		64.1000	*	51.1548
Barium, Total	ug/L	MW-11I	05/07/2020		55.8000	*	51.1548
Barium, Total	ug/L	MW-11I	11/12/2020		43.0000		51.1548
Barium, Total	ug/L	MW-11I	05/17/2021		53.0000	*	51.1548
Barium, Total	ug/L	MW-11I	11/17/2021		62.3000	*	51.1548
Barium, Total	ug/L	MW-11I	05/12/2022		50.3000		51.1548
Barium, Total	ug/L	MW-11I	11/21/2022		73.2000	*	51.1548
Barium, Total	ug/L	MW-11I	05/02/2023		51.0000		51.1548
Barium, Total	ug/L	MW-11I	10/09/2023		58.8000	*	51.1548
Barium, Total	ug/L	MW-11I	04/09/2024		57.0000	*	51.1548
Barium, Total	ug/L	MW-11I	10/15/2024		58.4000	*	51.1548
Barium, Total	ug/L	MW-11I	04/03/2025		58.4000	*	51.1548
Barium, Total	ug/L	MW-12I	03/29/2023		82.3000	*	51.1548
Barium, Total	ug/L	MW-12I	04/27/2023		76.7000	*	51.1548
Barium, Total	ug/L	MW-12I	07/06/2023		93.5000	*	51.1548
Barium, Total	ug/L	MW-12I	10/11/2023		84.7000	*	51.1548
Barium, Total	ug/L	MW-12I	04/16/2024		75.9000	*	51.1548
Barium, Total	ug/L	MW-12I	10/01/2024		68.0000	*	51.1548
Barium, Total	ug/L	MW-12I	04/17/2025		65.6000	*	51.1548
Barium, Total	ug/L	MW-1I	04/19/2016		52.8000	*	51.1548
Barium, Total	ug/L	MW-1I	06/02/2016		50.4000		51.1548
Barium, Total	ug/L	MW-1I	08/10/2016		54.4000	*	51.1548
Barium, Total	ug/L	MW-1I	09/30/2016		56.2000	*	51.1548
Barium, Total	ug/L	MW-1I	12/02/2016		60.0000	*	51.1548
Barium, Total	ug/L	MW-1I	01/31/2017		52.0000	*	51.1548
Barium, Total	ug/L	MW-1I	05/26/2017		49.8000		51.1548
Barium, Total	ug/L	MW-1I	08/11/2017		56.5000	*	51.1548
Barium, Total	ug/L	MW-1I	05/23/2018		75.6000	*	51.1548
Barium, Total	ug/L	MW-1I	09/11/2018		65.7000	*	51.1548
Barium, Total	ug/L	MW-1I	05/08/2019		59.4000	*	51.1548
Barium, Total	ug/L	MW-1I	11/14/2019		57.6000	*	51.1548
Barium, Total	ug/L	MW-1I	05/05/2020		55.0000	*	51.1548
Barium, Total	ug/L	MW-1I	11/11/2020		55.2000	*	51.1548
Barium, Total	ug/L	MW-1I	05/25/2021		55.4000	*	51.1548
Barium, Total	ug/L	MW-1I	11/09/2021		50.4000		51.1548
Barium, Total	ug/L	MW-1I	05/10/2022		54.1000	*	51.1548
Barium, Total	ug/L	MW-1I	11/22/2022		81.9000	*	51.1548
Barium, Total	ug/L	MW-1I	04/19/2023		52.7000	*	51.1548
Barium, Total	ug/L	MW-1I	10/11/2023		63.4000	*	51.1548

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-1I	04/09/2024		41.9000		51.1548
Barium, Total	ug/L	MW-1I	10/15/2024		51.0000		51.1548
Barium, Total	ug/L	MW-1I	04/22/2025		55.8000	*	51.1548
Barium, Total	ug/L	MW-26I	03/27/2023		94.4000	*	51.1548
Barium, Total	ug/L	MW-26I	05/04/2023		108.0000	*	51.1548
Barium, Total	ug/L	MW-26I	07/05/2023		81.1000	*	51.1548
Barium, Total	ug/L	MW-26I	10/16/2023		57.6000	*	51.1548
Barium, Total	ug/L	MW-26I	04/03/2024		87.3000	*	51.1548
Barium, Total	ug/L	MW-26I	10/02/2024		75.0000	*	51.1548
Barium, Total	ug/L	MW-26I	04/03/2025		97.0000	*	51.1548
Barium, Total	ug/L	MW-2I	04/19/2016		76.3000	*	51.1548
Barium, Total	ug/L	MW-2I	06/01/2016		61.9000	*	51.1548
Barium, Total	ug/L	MW-2I	08/11/2016		65.0000	*	51.1548
Barium, Total	ug/L	MW-2I	09/30/2016		59.7000	*	51.1548
Barium, Total	ug/L	MW-2I	12/02/2016		66.5000	*	51.1548
Barium, Total	ug/L	MW-2I	01/31/2017		74.4000	*	51.1548
Barium, Total	ug/L	MW-2I	05/26/2017		82.4000	*	51.1548
Barium, Total	ug/L	MW-2I	08/11/2017		85.2000	*	51.1548
Barium, Total	ug/L	MW-2I	05/22/2018		64.6000	*	51.1548
Barium, Total	ug/L	MW-2I	09/11/2018		53.7000	*	51.1548
Barium, Total	ug/L	MW-2I	05/09/2019		61.8000	*	51.1548
Barium, Total	ug/L	MW-2I	11/13/2019		65.2000	*	51.1548
Barium, Total	ug/L	MW-2I	05/05/2020		60.1000	*	51.1548
Barium, Total	ug/L	MW-2I	11/11/2020		69.2000	*	51.1548
Barium, Total	ug/L	MW-2I	05/11/2021		82.3000	*	51.1548
Barium, Total	ug/L	MW-2I	11/10/2021		69.3000	*	51.1548
Barium, Total	ug/L	MW-2I	05/11/2022		67.9000	*	51.1548
Barium, Total	ug/L	MW-2I	11/15/2022		109.0000	*	51.1548
Barium, Total	ug/L	MW-2I	04/19/2023		94.9000	*	51.1548
Barium, Total	ug/L	MW-2I	10/10/2023		75.1000	*	51.1548
Barium, Total	ug/L	MW-2I	04/05/2024		70.1000	*	51.1548
Barium, Total	ug/L	MW-2I	10/07/2024		67.9000	*	51.1548
Barium, Total	ug/L	MW-2I	04/14/2025		72.5000	*	51.1548
Barium, Total	ug/L	MW-3I	04/20/2016		73.9000	*	51.1548
Barium, Total	ug/L	MW-3I	06/01/2016		72.2000	*	51.1548
Barium, Total	ug/L	MW-3I	08/11/2016		72.7000	*	51.1548
Barium, Total	ug/L	MW-3I	09/30/2016		76.8000	*	51.1548
Barium, Total	ug/L	MW-3I	12/02/2016		76.5000	*	51.1548
Barium, Total	ug/L	MW-3I	01/31/2017		71.3000	*	51.1548
Barium, Total	ug/L	MW-3I	05/25/2017		66.8000	*	51.1548
Barium, Total	ug/L	MW-3I	08/11/2017		71.3000	*	51.1548
Barium, Total	ug/L	MW-3I	05/22/2018		63.8000	*	51.1548
Barium, Total	ug/L	MW-3I	09/11/2018		53.9000	*	51.1548
Barium, Total	ug/L	MW-3I	05/09/2019		58.2000	*	51.1548
Barium, Total	ug/L	MW-3I	11/13/2019		51.8000	*	51.1548
Barium, Total	ug/L	MW-3I	05/05/2020		56.7000	*	51.1548
Barium, Total	ug/L	MW-3I	11/11/2020		60.0000	*	51.1548
Barium, Total	ug/L	MW-3I	05/11/2021		91.1000	*	51.1548
Barium, Total	ug/L	MW-3I	11/18/2021		93.9000	*	51.1548
Barium, Total	ug/L	MW-3I	05/11/2022		93.3000	*	51.1548

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-3I	11/15/2022		84.5000	*	51.1548
Barium, Total	ug/L	MW-3I	04/17/2023		62.4000	*	51.1548
Barium, Total	ug/L	MW-3I	10/09/2023		55.1000	*	51.1548
Barium, Total	ug/L	MW-3I	04/04/2024		71.4000	*	51.1548
Barium, Total	ug/L	MW-3I	10/07/2024		97.1000	*	51.1548
Barium, Total	ug/L	MW-3I	04/18/2025		67.3000	*	51.1548
Barium, Total	ug/L	MW-4I	04/20/2016		78.6000	*	51.1548
Barium, Total	ug/L	MW-4I	06/01/2016		58.6000	*	51.1548
Barium, Total	ug/L	MW-4I	08/11/2016		63.6000	*	51.1548
Barium, Total	ug/L	MW-4I	09/29/2016		61.5000	*	51.1548
Barium, Total	ug/L	MW-4I	12/01/2016		63.0000	*	51.1548
Barium, Total	ug/L	MW-4I	01/31/2017		61.1000	*	51.1548
Barium, Total	ug/L	MW-4I	05/25/2017		60.0000	*	51.1548
Barium, Total	ug/L	MW-4I	08/10/2017		61.7000	*	51.1548
Barium, Total	ug/L	MW-4I	05/21/2018		53.4000	*	51.1548
Barium, Total	ug/L	MW-4I	09/11/2018		58.4000	*	51.1548
Barium, Total	ug/L	MW-4I	05/07/2019		68.3000	*	51.1548
Barium, Total	ug/L	MW-4I	11/13/2019		84.2000	*	51.1548
Barium, Total	ug/L	MW-4I	05/06/2020		72.5000	*	51.1548
Barium, Total	ug/L	MW-4I	11/10/2020		79.9000	*	51.1548
Barium, Total	ug/L	MW-4I	05/12/2021		69.2000	*	51.1548
Barium, Total	ug/L	MW-4I	11/18/2021		104.0000	*	51.1548
Barium, Total	ug/L	MW-4I	05/10/2022		70.7000	*	51.1548
Barium, Total	ug/L	MW-4I	11/16/2022		70.5000	*	51.1548
Barium, Total	ug/L	MW-4I	04/26/2023		66.4000	*	51.1548
Barium, Total	ug/L	MW-4I	10/06/2023		65.5000	*	51.1548
Barium, Total	ug/L	MW-4I	04/09/2024		81.2000	*	51.1548
Barium, Total	ug/L	MW-4I	10/03/2024		99.7000	*	51.1548
Barium, Total	ug/L	MW-4I	04/14/2025		97.1000	*	51.1548
Barium, Total	ug/L	MW-6I	04/20/2016		64.0000	*	51.1548
Barium, Total	ug/L	MW-6I	06/01/2016		59.4000	*	51.1548
Barium, Total	ug/L	MW-6I	08/11/2016		55.5000	*	51.1548
Barium, Total	ug/L	MW-6I	09/29/2016		56.6000	*	51.1548
Barium, Total	ug/L	MW-6I	12/01/2016		62.9000	*	51.1548
Barium, Total	ug/L	MW-6I	01/30/2017		64.2000	*	51.1548
Barium, Total	ug/L	MW-6I	05/25/2017		60.5000	*	51.1548
Barium, Total	ug/L	MW-6I	08/10/2017		58.7000	*	51.1548
Barium, Total	ug/L	MW-6I	05/22/2018		42.4000		51.1548
Barium, Total	ug/L	MW-6I	09/12/2018		42.3000		51.1548
Barium, Total	ug/L	MW-6I	05/08/2019		60.8000	*	51.1548
Barium, Total	ug/L	MW-6I	11/14/2019		57.1000	*	51.1548
Barium, Total	ug/L	MW-6I	05/08/2020		52.7000	*	51.1548
Barium, Total	ug/L	MW-6I	11/10/2020		49.3000		51.1548
Barium, Total	ug/L	MW-6I	05/18/2021		52.9000	*	51.1548
Barium, Total	ug/L	MW-6I	11/09/2021		65.0000	*	51.1548
Barium, Total	ug/L	MW-6I	05/11/2022		62.6000	*	51.1548
Barium, Total	ug/L	MW-6I	11/15/2022		67.1000	*	51.1548
Barium, Total	ug/L	MW-6I	05/01/2023		73.8000	*	51.1548
Barium, Total	ug/L	MW-6I	10/10/2023		76.4000	*	51.1548
Barium, Total	ug/L	MW-6I	04/04/2024		78.7000	*	51.1548

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-6I	10/02/2024		91.0000	*	51.1548
Barium, Total	ug/L	MW-6I	04/10/2025		75.5000	*	51.1548
Barium, Total	ug/L	MW-9I	04/21/2016		73.1000	*	51.1548
Barium, Total	ug/L	MW-9I	05/31/2016		67.5000	*	51.1548
Barium, Total	ug/L	MW-9I	08/11/2016		69.7000	*	51.1548
Barium, Total	ug/L	MW-9I	09/29/2016		81.3000	*	51.1548
Barium, Total	ug/L	MW-9I	11/30/2016		61.5000	*	51.1548
Barium, Total	ug/L	MW-9I	01/30/2017		60.4000	*	51.1548
Barium, Total	ug/L	MW-9I	05/24/2017		63.9000	*	51.1548
Barium, Total	ug/L	MW-9I	08/10/2017		67.8000	*	51.1548
Barium, Total	ug/L	MW-9I	05/21/2018		77.6000	*	51.1548
Barium, Total	ug/L	MW-9I	09/12/2018		115.0000	*	51.1548
Barium, Total	ug/L	MW-9I	05/07/2019		67.6000	*	51.1548
Barium, Total	ug/L	MW-9I	11/13/2019		70.6000	*	51.1548
Barium, Total	ug/L	MW-9I	05/06/2020		71.3000	*	51.1548
Barium, Total	ug/L	MW-9I	11/10/2020		81.9000	*	51.1548
Barium, Total	ug/L	MW-9I	05/13/2021		129.0000	*	51.1548
Barium, Total	ug/L	MW-9I	11/12/2021		78.1000	*	51.1548
Barium, Total	ug/L	MW-9I	05/09/2022		52.6000	*	51.1548
Barium, Total	ug/L	MW-9I	11/15/2022		73.1000	*	51.1548
Barium, Total	ug/L	MW-9I	05/08/2023		122.0000	*	51.1548
Barium, Total	ug/L	MW-9I	10/09/2023		41.8000		51.1548
Barium, Total	ug/L	MW-9I	04/04/2024		73.5000	*	51.1548
Barium, Total	ug/L	MW-9I	10/09/2024		36.8000		51.1548
Barium, Total	ug/L	MW-9I	04/01/2025		70.5000	*	51.1548
Boron, Total	ug/L	MW-10I	08/09/2019		521.0000	*	100.0000
Boron, Total	ug/L	MW-10I	11/12/2021		1150.0000	*	100.0000
Boron, Total	ug/L	MW-10I	05/18/2022		1040.0000	*	100.0000
Boron, Total	ug/L	MW-10I	11/28/2022		629.0000	*	100.0000
Boron, Total	ug/L	MW-10I	05/08/2023		1110.0000	*	100.0000
Boron, Total	ug/L	MW-10I	10/10/2023		1340.0000	*	100.0000
Boron, Total	ug/L	MW-10I	04/03/2024		1170.0000	*	100.0000
Boron, Total	ug/L	MW-10I	10/10/2024		1400.0000	*	100.0000
Boron, Total	ug/L	MW-10I	04/04/2025		1630.0000	*	100.0000
Boron, Total	ug/L	MW-11I	04/20/2016		2330.0000	*	100.0000
Boron, Total	ug/L	MW-11I	06/02/2016		2540.0000	*	100.0000
Boron, Total	ug/L	MW-11I	08/12/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/30/2016		4270.0000	*	100.0000
Boron, Total	ug/L	MW-11I	12/01/2016		4460.0000	*	100.0000
Boron, Total	ug/L	MW-11I	01/31/2017		4300.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/25/2017		5690.0000	*	100.0000
Boron, Total	ug/L	MW-11I	08/10/2017		6200.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/28/2017		6100.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/22/2018		7180.0000	*	100.0000
Boron, Total	ug/L	MW-11I	09/12/2018		7190.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/08/2019		7860.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/14/2019		6430.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/07/2020		6140.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/12/2020		4140.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/17/2021		2070.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-11I	11/17/2021		3350.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/12/2022		2090.0000	*	100.0000
Boron, Total	ug/L	MW-11I	11/21/2022		1590.0000	*	100.0000
Boron, Total	ug/L	MW-11I	05/02/2023		1000.0000	*	100.0000
Boron, Total	ug/L	MW-11I	10/09/2023		812.0000	*	100.0000
Boron, Total	ug/L	MW-11I	04/09/2024		634.0000	*	100.0000
Boron, Total	ug/L	MW-11I	10/15/2024		601.0000	*	100.0000
Boron, Total	ug/L	MW-11I	04/03/2025		538.0000	*	100.0000
Boron, Total	ug/L	MW-12I	03/29/2023		2100.0000	*	100.0000
Boron, Total	ug/L	MW-12I	04/27/2023		2470.0000	*	100.0000
Boron, Total	ug/L	MW-12I	07/06/2023		2280.0000	*	100.0000
Boron, Total	ug/L	MW-12I	10/11/2023		2450.0000	*	100.0000
Boron, Total	ug/L	MW-12I	04/16/2024		1700.0000	*	100.0000
Boron, Total	ug/L	MW-12I	10/01/2024		1250.0000	*	100.0000
Boron, Total	ug/L	MW-12I	04/17/2025		984.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/19/2016		3800.0000	*	100.0000
Boron, Total	ug/L	MW-1I	06/02/2016		3680.0000	*	100.0000
Boron, Total	ug/L	MW-1I	08/10/2016		3830.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/30/2016		3560.0000	*	100.0000
Boron, Total	ug/L	MW-1I	12/02/2016		3090.0000	*	100.0000
Boron, Total	ug/L	MW-1I	01/31/2017		2560.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/26/2017		2720.0000	*	100.0000
Boron, Total	ug/L	MW-1I	08/11/2017		3750.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/28/2017		3500.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/23/2018		3460.0000	*	100.0000
Boron, Total	ug/L	MW-1I	09/11/2018		2700.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/08/2019		2230.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/14/2019		1970.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/05/2020		2180.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/11/2020		1330.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/25/2021		1090.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/09/2021		970.0000	*	100.0000
Boron, Total	ug/L	MW-1I	05/10/2022		844.0000	*	100.0000
Boron, Total	ug/L	MW-1I	11/22/2022		622.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/19/2023		601.0000	*	100.0000
Boron, Total	ug/L	MW-1I	10/11/2023		452.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/09/2024		405.0000	*	100.0000
Boron, Total	ug/L	MW-1I	10/15/2024		359.0000	*	100.0000
Boron, Total	ug/L	MW-1I	04/22/2025		328.0000	*	100.0000
Boron, Total	ug/L	MW-26I	03/27/2023		438.0000	*	100.0000
Boron, Total	ug/L	MW-26I	05/04/2023		2430.0000	*	100.0000
Boron, Total	ug/L	MW-26I	07/05/2023		275.0000	*	100.0000
Boron, Total	ug/L	MW-26I	10/16/2023		193.0000	*	100.0000
Boron, Total	ug/L	MW-26I	04/03/2024	ND	100.0000		100.0000
Boron, Total	ug/L	MW-26I	10/02/2024		175.0000	*	100.0000
Boron, Total	ug/L	MW-26I	04/03/2025		106.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/19/2016		1460.0000	*	100.0000
Boron, Total	ug/L	MW-2I	06/01/2016		1150.0000	*	100.0000
Boron, Total	ug/L	MW-2I	08/11/2016		871.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/30/2016		869.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-2I	12/02/2016		839.0000	*	100.0000
Boron, Total	ug/L	MW-2I	01/31/2017		819.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/26/2017		1640.0000	*	100.0000
Boron, Total	ug/L	MW-2I	08/11/2017		2000.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/27/2017		1920.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/22/2018		1410.0000	*	100.0000
Boron, Total	ug/L	MW-2I	09/11/2018		979.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/09/2019		794.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/13/2019		313.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/05/2020		292.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/11/2020		229.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/11/2021		248.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/10/2021		206.0000	*	100.0000
Boron, Total	ug/L	MW-2I	05/11/2022		229.0000	*	100.0000
Boron, Total	ug/L	MW-2I	11/15/2022		218.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/19/2023		257.0000	*	100.0000
Boron, Total	ug/L	MW-2I	10/10/2023		204.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/05/2024		161.0000	*	100.0000
Boron, Total	ug/L	MW-2I	10/07/2024		165.0000	*	100.0000
Boron, Total	ug/L	MW-2I	04/14/2025		189.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/20/2016		931.0000	*	100.0000
Boron, Total	ug/L	MW-3I	06/01/2016		1190.0000	*	100.0000
Boron, Total	ug/L	MW-3I	08/11/2016		1510.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/30/2016		1780.0000	*	100.0000
Boron, Total	ug/L	MW-3I	12/02/2016		1200.0000	*	100.0000
Boron, Total	ug/L	MW-3I	01/31/2017		976.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/25/2017		837.0000	*	100.0000
Boron, Total	ug/L	MW-3I	08/11/2017		918.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/27/2017		673.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/22/2018		290.0000	*	100.0000
Boron, Total	ug/L	MW-3I	09/11/2018		189.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/09/2019		229.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/13/2019		141.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/05/2020		174.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/11/2020		120.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/11/2021		124.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/18/2021		129.0000	*	100.0000
Boron, Total	ug/L	MW-3I	05/11/2022		174.0000	*	100.0000
Boron, Total	ug/L	MW-3I	11/15/2022		206.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/17/2023		153.0000	*	100.0000
Boron, Total	ug/L	MW-3I	10/09/2023		122.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/04/2024	ND	100.0000		100.0000
Boron, Total	ug/L	MW-3I	10/07/2024		117.0000	*	100.0000
Boron, Total	ug/L	MW-3I	04/18/2025		151.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/20/2016		236.0000	*	100.0000
Boron, Total	ug/L	MW-4I	06/01/2016		239.0000	*	100.0000
Boron, Total	ug/L	MW-4I	08/11/2016		272.0000	*	100.0000
Boron, Total	ug/L	MW-4I	09/29/2016		278.0000	*	100.0000
Boron, Total	ug/L	MW-4I	12/01/2016		250.0000	*	100.0000
Boron, Total	ug/L	MW-4I	01/31/2017		237.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-4I	05/25/2017		224.0000	*	100.0000
Boron, Total	ug/L	MW-4I	08/10/2017		231.0000	*	100.0000
Boron, Total	ug/L	MW-4I	09/28/2017		218.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/21/2018		174.0000	*	100.0000
Boron, Total	ug/L	MW-4I	09/11/2018		157.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/07/2019		181.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/13/2019		170.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/06/2020		163.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/10/2020		177.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/12/2021		191.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/18/2021		309.0000	*	100.0000
Boron, Total	ug/L	MW-4I	05/10/2022		177.0000	*	100.0000
Boron, Total	ug/L	MW-4I	11/16/2022		147.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/26/2023		136.0000	*	100.0000
Boron, Total	ug/L	MW-4I	10/06/2023		124.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/09/2024		112.0000	*	100.0000
Boron, Total	ug/L	MW-4I	10/03/2024		192.0000	*	100.0000
Boron, Total	ug/L	MW-4I	04/14/2025		128.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/20/2016		3430.0000	*	100.0000
Boron, Total	ug/L	MW-6I	06/01/2016		3540.0000	*	100.0000
Boron, Total	ug/L	MW-6I	08/11/2016		3050.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/29/2016		3210.0000	*	100.0000
Boron, Total	ug/L	MW-6I	12/01/2016		3170.0000	*	100.0000
Boron, Total	ug/L	MW-6I	01/30/2017		3250.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/25/2017		3470.0000	*	100.0000
Boron, Total	ug/L	MW-6I	08/10/2017		4110.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/27/2017		4670.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/22/2018		4140.0000	*	100.0000
Boron, Total	ug/L	MW-6I	09/12/2018		3500.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/08/2019		4700.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/14/2019		4370.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/08/2020		5780.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/10/2020		4840.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/18/2021		2280.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/09/2021		2860.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/11/2022		2290.0000	*	100.0000
Boron, Total	ug/L	MW-6I	11/15/2022		1830.0000	*	100.0000
Boron, Total	ug/L	MW-6I	05/01/2023		1520.0000	*	100.0000
Boron, Total	ug/L	MW-6I	10/10/2023		2020.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/04/2024		856.0000	*	100.0000
Boron, Total	ug/L	MW-6I	10/02/2024		2250.0000	*	100.0000
Boron, Total	ug/L	MW-6I	04/10/2025		1600.0000	*	100.0000
Boron, Total	ug/L	MW-9I	04/21/2016		168.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/31/2016		173.0000	*	100.0000
Boron, Total	ug/L	MW-9I	08/11/2016		153.0000	*	100.0000
Boron, Total	ug/L	MW-9I	09/29/2016		179.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/30/2016		198.0000	*	100.0000
Boron, Total	ug/L	MW-9I	01/30/2017		162.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/24/2017		151.0000	*	100.0000
Boron, Total	ug/L	MW-9I	08/10/2017		165.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-9I	09/26/2017		161.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/21/2018		103.0000	*	100.0000
Boron, Total	ug/L	MW-9I	09/12/2018		693.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/07/2019		110.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/13/2019	ND	100.0000		100.0000
Boron, Total	ug/L	MW-9I	05/06/2020	ND	100.0000		100.0000
Boron, Total	ug/L	MW-9I	11/10/2020		142.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/13/2021		590.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/12/2021		779.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/09/2022		1460.0000	*	100.0000
Boron, Total	ug/L	MW-9I	11/15/2022		532.0000	*	100.0000
Boron, Total	ug/L	MW-9I	05/08/2023	ND	100.0000		100.0000
Boron, Total	ug/L	MW-9I	10/09/2023		673.0000	*	100.0000
Boron, Total	ug/L	MW-9I	04/04/2024		247.0000	*	100.0000
Boron, Total	ug/L	MW-9I	10/09/2024		639.0000	*	100.0000
Boron, Total	ug/L	MW-9I	04/01/2025		235.0000	*	100.0000
Cobalt, Total	ug/L	MW-9I	04/21/2016	ND	10.0000		1.0000
Cobalt, Total	ug/L	MW-9I	05/31/2016	ND	5.0000		1.0000
Cobalt, Total	ug/L	MW-9I	08/11/2016	ND	5.0000		1.0000
Cobalt, Total	ug/L	MW-9I	09/29/2016	ND	5.0000		1.0000
Cobalt, Total	ug/L	MW-9I	11/30/2016	ND	5.0000		1.0000
Cobalt, Total	ug/L	MW-9I	01/30/2017	ND	5.0000		1.0000
Cobalt, Total	ug/L	MW-9I	05/24/2017	ND	5.0000		1.0000
Cobalt, Total	ug/L	MW-9I	08/10/2017	ND	5.0000		1.0000
Cobalt, Total	ug/L	MW-9I	05/21/2018		1.4000	*	1.0000
Cobalt, Total	ug/L	MW-9I	09/12/2018		1.8000	*	1.0000
Cobalt, Total	ug/L	MW-9I	05/07/2019		1.0000		1.0000
Cobalt, Total	ug/L	MW-9I	11/13/2019		1.1000	*	1.0000
Cobalt, Total	ug/L	MW-9I	05/06/2020		1.1000	*	1.0000
Cobalt, Total	ug/L	MW-9I	11/10/2020		1.2000	*	1.0000
Cobalt, Total	ug/L	MW-9I	05/13/2021		1.1000	*	1.0000
Cobalt, Total	ug/L	MW-9I	11/12/2021		1.2000	*	1.0000
Cobalt, Total	ug/L	MW-9I	05/09/2022	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9I	05/08/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9I	10/09/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9I	04/04/2024		1.3000	*	1.0000
Cobalt, Total	ug/L	MW-9I	10/09/2024	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9I	04/01/2025		1.2000	*	1.0000
Fluoride	mg/L	MW-10I	08/09/2019		0.2400	*	0.1000
Fluoride	mg/L	MW-10I	11/12/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-10I	05/18/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-10I	11/28/2022		0.3000	*	0.1000
Fluoride	mg/L	MW-10I	05/08/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-10I	10/10/2023		0.2300	*	0.1000
Fluoride	mg/L	MW-10I	04/03/2024		0.2500	*	0.1000
Fluoride	mg/L	MW-10I	10/10/2024		0.2400	*	0.1000
Fluoride	mg/L	MW-10I	04/04/2025		0.2600	*	0.1000
Fluoride	mg/L	MW-11I	04/20/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	06/02/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	08/12/2016		0.3600	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11I	09/30/2016		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	12/01/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-11I	05/25/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	08/10/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	09/28/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/22/2018		0.3700	*	0.1000
Fluoride	mg/L	MW-11I	09/12/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-11I	05/08/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	11/14/2019		0.3400	*	0.1000
Fluoride	mg/L	MW-11I	05/07/2020		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/12/2020		0.4100	*	0.1000
Fluoride	mg/L	MW-11I	05/17/2021		0.4000	*	0.1000
Fluoride	mg/L	MW-11I	11/17/2021		0.3500	*	0.1000
Fluoride	mg/L	MW-11I	05/12/2022		0.4400	*	0.1000
Fluoride	mg/L	MW-11I	11/21/2022		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	05/02/2023		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	10/09/2023		0.3800	*	0.1000
Fluoride	mg/L	MW-11I	04/09/2024		0.4600	*	0.1000
Fluoride	mg/L	MW-11I	10/15/2024		0.4200	*	0.1000
Fluoride	mg/L	MW-11I	04/03/2025		0.4300	*	0.1000
Fluoride	mg/L	MW-12I	03/29/2023		0.3300	*	0.1000
Fluoride	mg/L	MW-12I	04/27/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-12I	07/06/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-12I	10/11/2023		0.2200	*	0.1000
Fluoride	mg/L	MW-12I	04/16/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-12I	10/01/2024		0.2300	*	0.1000
Fluoride	mg/L	MW-12I	04/17/2025		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	04/19/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	06/02/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	08/10/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-1I	12/02/2016		0.4300	*	0.1000
Fluoride	mg/L	MW-1I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-1I	05/26/2017		0.3700	*	0.1000
Fluoride	mg/L	MW-1I	08/11/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	09/28/2017		0.4000	*	0.1000
Fluoride	mg/L	MW-1I	05/23/2018		0.3400	*	0.1000
Fluoride	mg/L	MW-1I	09/11/2018		0.2900	*	0.1000
Fluoride	mg/L	MW-1I	05/08/2019		0.3300	*	0.1000
Fluoride	mg/L	MW-1I	11/14/2019		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	05/05/2020		0.3500	*	0.1000
Fluoride	mg/L	MW-1I	11/11/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-1I	05/25/2021		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	11/09/2021		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	05/10/2022		0.2900	*	0.1000
Fluoride	mg/L	MW-1I	11/22/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-1I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-1I	10/11/2023		0.2600	*	0.1000
Fluoride	mg/L	MW-1I	04/09/2024		0.3500	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1I	10/15/2024		0.3200	*	0.1000
Fluoride	mg/L	MW-1I	04/22/2025		0.2700	*	0.1000
Fluoride	mg/L	MW-26I	03/27/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-26I	05/04/2023		0.2200	*	0.1000
Fluoride	mg/L	MW-26I	07/05/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-26I	10/16/2023		0.3900	*	0.1000
Fluoride	mg/L	MW-26I	04/03/2024		0.3700	*	0.1000
Fluoride	mg/L	MW-26I	10/02/2024		0.3900	*	0.1000
Fluoride	mg/L	MW-26I	04/03/2025		0.3900	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2016		0.4600	*	0.1000
Fluoride	mg/L	MW-2I	06/01/2016		0.4500	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2016		0.4000	*	0.1000
Fluoride	mg/L	MW-2I	09/30/2016		0.4200	*	0.1000
Fluoride	mg/L	MW-2I	12/02/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-2I	01/31/2017		0.3900	*	0.1000
Fluoride	mg/L	MW-2I	05/26/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	08/11/2017		0.3600	*	0.1000
Fluoride	mg/L	MW-2I	09/27/2017		0.3300	*	0.1000
Fluoride	mg/L	MW-2I	05/22/2018		0.3200	*	0.1000
Fluoride	mg/L	MW-2I	09/11/2018		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	11/13/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/05/2020		0.3100	*	0.1000
Fluoride	mg/L	MW-2I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/11/2021		0.1800	*	0.1000
Fluoride	mg/L	MW-2I	11/10/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-2I	05/11/2022		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	11/15/2022		0.2400	*	0.1000
Fluoride	mg/L	MW-2I	04/19/2023		0.2800	*	0.1000
Fluoride	mg/L	MW-2I	10/10/2023		0.2700	*	0.1000
Fluoride	mg/L	MW-2I	04/05/2024		0.3400	*	0.1000
Fluoride	mg/L	MW-2I	10/07/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-2I	04/14/2025		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	04/20/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	06/01/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2016		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/30/2016		0.2700	*	0.1000
Fluoride	mg/L	MW-3I	12/02/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	01/31/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	05/25/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-3I	08/11/2017		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/27/2017		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/22/2018		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	09/11/2018		0.2500	*	0.1000
Fluoride	mg/L	MW-3I	05/09/2019		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	11/13/2019		0.3000	*	0.1000
Fluoride	mg/L	MW-3I	05/05/2020		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/11/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-3I	05/11/2021		0.1600	*	0.1000
Fluoride	mg/L	MW-3I	11/18/2021		0.2200	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-3I	05/11/2022		0.3200	*	0.1000
Fluoride	mg/L	MW-3I	11/15/2022		0.2800	*	0.1000
Fluoride	mg/L	MW-3I	04/17/2023		0.3400	*	0.1000
Fluoride	mg/L	MW-3I	10/09/2023		0.4000	*	0.1000
Fluoride	mg/L	MW-3I	04/04/2024		0.3600	*	0.1000
Fluoride	mg/L	MW-3I	10/07/2024		0.3300	*	0.1000
Fluoride	mg/L	MW-3I	04/18/2025		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	04/20/2016		0.3500	*	0.1000
Fluoride	mg/L	MW-4I	06/01/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4I	08/11/2016		0.2900	*	0.1000
Fluoride	mg/L	MW-4I	09/29/2016		0.3100	*	0.1000
Fluoride	mg/L	MW-4I	12/01/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-4I	01/31/2017		0.3200	*	0.1000
Fluoride	mg/L	MW-4I	05/25/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-4I	08/10/2017		0.3200	*	0.1000
Fluoride	mg/L	MW-4I	09/28/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-4I	05/21/2018		0.3300	*	0.1000
Fluoride	mg/L	MW-4I	09/11/2018		0.3000	*	0.1000
Fluoride	mg/L	MW-4I	05/07/2019		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	11/13/2019		0.3800	*	0.1000
Fluoride	mg/L	MW-4I	05/06/2020		0.4400	*	0.1000
Fluoride	mg/L	MW-4I	11/10/2020		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	05/12/2021		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	11/18/2021		0.2900	*	0.1000
Fluoride	mg/L	MW-4I	05/10/2022		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	11/16/2022		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	04/26/2023		0.3100	*	0.1000
Fluoride	mg/L	MW-4I	10/06/2023		0.3600	*	0.1000
Fluoride	mg/L	MW-4I	04/09/2024		0.4000	*	0.1000
Fluoride	mg/L	MW-4I	10/03/2024		0.3200	*	0.1000
Fluoride	mg/L	MW-4I	04/14/2025		0.3000	*	0.1000
Fluoride	mg/L	MW-6I	04/20/2016		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	06/01/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	08/11/2016		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	09/29/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	12/01/2016		0.3300	*	0.1000
Fluoride	mg/L	MW-6I	01/30/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/25/2017		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	08/10/2017		0.3100	*	0.1000
Fluoride	mg/L	MW-6I	09/27/2017		0.3400	*	0.1000
Fluoride	mg/L	MW-6I	05/22/2018		0.2200	*	0.1000
Fluoride	mg/L	MW-6I	09/12/2018		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2019		0.2500	*	0.1000
Fluoride	mg/L	MW-6I	11/14/2019		0.2600	*	0.1000
Fluoride	mg/L	MW-6I	05/08/2020		0.2400	*	0.1000
Fluoride	mg/L	MW-6I	11/10/2020		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	05/18/2021		0.3000	*	0.1000
Fluoride	mg/L	MW-6I	11/09/2021		0.2700	*	0.1000
Fluoride	mg/L	MW-6I	05/11/2022		0.3500	*	0.1000
Fluoride	mg/L	MW-6I	11/15/2022		0.2900	*	0.1000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6I	05/01/2023		0.3200	*	0.1000
Fluoride	mg/L	MW-6I	10/10/2023		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	04/04/2024		0.2900	*	0.1000
Fluoride	mg/L	MW-6I	10/02/2024		0.2700	*	0.1000
Fluoride	mg/L	MW-6I	04/10/2025		0.2300	*	0.1000
Fluoride	mg/L	MW-9I	04/21/2016		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	05/31/2016		0.3800	*	0.1000
Fluoride	mg/L	MW-9I	08/11/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-9I	09/29/2016		0.3600	*	0.1000
Fluoride	mg/L	MW-9I	11/30/2016		0.4400	*	0.1000
Fluoride	mg/L	MW-9I	01/30/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-9I	05/24/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	08/10/2017		0.3800	*	0.1000
Fluoride	mg/L	MW-9I	09/26/2017		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	05/21/2018		0.3500	*	0.1000
Fluoride	mg/L	MW-9I	09/12/2018		0.2400	*	0.1000
Fluoride	mg/L	MW-9I	05/07/2019		0.4400	*	0.1000
Fluoride	mg/L	MW-9I	11/13/2019		0.3600	*	0.1000
Fluoride	mg/L	MW-9I	05/06/2020		0.5000	*	0.1000
Fluoride	mg/L	MW-9I	11/10/2020		0.4500	*	0.1000
Fluoride	mg/L	MW-9I	05/13/2021		0.3500	*	0.1000
Fluoride	mg/L	MW-9I	11/12/2021		0.3200	*	0.1000
Fluoride	mg/L	MW-9I	05/09/2022		0.4100	*	0.1000
Fluoride	mg/L	MW-9I	11/15/2022		0.2800	*	0.1000
Fluoride	mg/L	MW-9I	05/08/2023		0.1100	*	0.1000
Fluoride	mg/L	MW-9I	10/09/2023		0.2200	*	0.1000
Fluoride	mg/L	MW-9I	04/04/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-9I	10/09/2024		0.3000	*	0.1000
Fluoride	mg/L	MW-9I	04/01/2025		0.2700	*	0.1000
Lithium, Total	ug/L	MW-10I	08/09/2019		66.5000	*	20.0000
Lithium, Total	ug/L	MW-10I	11/12/2021		57.0000	*	20.0000
Lithium, Total	ug/L	MW-10I	05/18/2022		52.6000	*	20.0000
Lithium, Total	ug/L	MW-10I	11/28/2022		55.0000	*	20.0000
Lithium, Total	ug/L	MW-10I	05/08/2023		48.4000	*	20.0000
Lithium, Total	ug/L	MW-10I	10/10/2023		58.9000	*	20.0000
Lithium, Total	ug/L	MW-10I	04/03/2024		67.4000	*	20.0000
Lithium, Total	ug/L	MW-10I	10/10/2024		58.7000	*	20.0000
Lithium, Total	ug/L	MW-10I	04/04/2025		58.4000	*	20.0000
Lithium, Total	ug/L	MW-11I	04/20/2016		120.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	06/02/2016		124.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	08/12/2016		115.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	09/30/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	12/01/2016		123.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	01/31/2017		111.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/25/2017		123.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	08/10/2017		114.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/22/2018		109.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	09/12/2018		107.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/08/2019		104.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/14/2019		102.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-11I	05/07/2020		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/12/2020		93.2000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/17/2021		107.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/17/2021		118.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/12/2022		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	11/21/2022		122.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	05/02/2023		97.4000	*	20.0000
Lithium, Total	ug/L	MW-11I	10/09/2023		107.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	04/09/2024		91.1000	*	20.0000
Lithium, Total	ug/L	MW-11I	10/15/2024		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11I	04/03/2025		95.6000	*	20.0000
Lithium, Total	ug/L	MW-12I	03/29/2023		109.0000	*	20.0000
Lithium, Total	ug/L	MW-12I	04/27/2023		109.0000	*	20.0000
Lithium, Total	ug/L	MW-12I	07/06/2023		114.0000	*	20.0000
Lithium, Total	ug/L	MW-12I	10/11/2023		120.0000	*	20.0000
Lithium, Total	ug/L	MW-12I	04/16/2024		113.0000	*	20.0000
Lithium, Total	ug/L	MW-12I	10/01/2024		113.0000	*	20.0000
Lithium, Total	ug/L	MW-12I	04/17/2025		116.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	04/19/2016		100.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	06/02/2016		96.2000	*	20.0000
Lithium, Total	ug/L	MW-1I	08/10/2016		92.3000	*	20.0000
Lithium, Total	ug/L	MW-1I	09/30/2016		92.5000	*	20.0000
Lithium, Total	ug/L	MW-1I	12/02/2016		86.8000	*	20.0000
Lithium, Total	ug/L	MW-1I	01/31/2017		90.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/26/2017		97.5000	*	20.0000
Lithium, Total	ug/L	MW-1I	08/11/2017		99.3000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/23/2018		120.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	09/11/2018		98.2000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/08/2019		116.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/14/2019		100.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/05/2020		106.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/11/2020		92.4000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/25/2021		87.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/09/2021		92.5000	*	20.0000
Lithium, Total	ug/L	MW-1I	05/10/2022		86.9000	*	20.0000
Lithium, Total	ug/L	MW-1I	11/22/2022		94.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	04/19/2023		87.2000	*	20.0000
Lithium, Total	ug/L	MW-1I	10/11/2023		86.9000	*	20.0000
Lithium, Total	ug/L	MW-1I	04/09/2024		73.7000	*	20.0000
Lithium, Total	ug/L	MW-1I	10/15/2024		79.0000	*	20.0000
Lithium, Total	ug/L	MW-1I	04/22/2025		82.1000	*	20.0000
Lithium, Total	ug/L	MW-2I	04/19/2016		126.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	06/01/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	08/11/2016		114.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	09/30/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	12/02/2016		124.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	01/31/2017		124.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/26/2017		127.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	08/11/2017		109.0000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/22/2018		88.8000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-2I	09/11/2018		68.4000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/09/2019		86.5000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/13/2019		78.4000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/05/2020		77.7000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/11/2020		61.3000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/11/2021		58.1000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/10/2021		54.8000	*	20.0000
Lithium, Total	ug/L	MW-2I	05/11/2022		47.4000	*	20.0000
Lithium, Total	ug/L	MW-2I	11/15/2022		52.3000	*	20.0000
Lithium, Total	ug/L	MW-2I	04/19/2023		47.9000	*	20.0000
Lithium, Total	ug/L	MW-2I	10/10/2023		32.9000	*	20.0000
Lithium, Total	ug/L	MW-2I	04/05/2024		31.2000	*	20.0000
Lithium, Total	ug/L	MW-2I	10/07/2024		29.3000	*	20.0000
Lithium, Total	ug/L	MW-2I	04/14/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-6I	04/20/2016		148.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	06/01/2016		146.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	08/11/2016		133.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	09/29/2016		136.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	12/01/2016		138.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	01/30/2017		140.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/25/2017		139.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	08/10/2017		129.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/22/2018		101.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	09/12/2018		90.1000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/08/2019		112.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	11/14/2019		97.8000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/08/2020		114.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	11/10/2020		122.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/18/2021		102.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	11/09/2021		115.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/11/2022		113.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	11/15/2022		104.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	05/01/2023		99.5000	*	20.0000
Lithium, Total	ug/L	MW-6I	10/10/2023		100.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	04/04/2024		107.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	10/02/2024		120.0000	*	20.0000
Lithium, Total	ug/L	MW-6I	04/10/2025		117.0000	*	20.0000
Lithium, Total	ug/L	MW-9I	04/21/2016		20.0000	**	20.0000
Lithium, Total	ug/L	MW-9I	05/31/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	08/11/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	09/29/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	11/30/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	01/30/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	05/24/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	08/10/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	05/21/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	09/12/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	05/07/2019	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	11/13/2019	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	05/06/2020	ND	20.0000		20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-9I	11/10/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	05/13/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	11/12/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	05/09/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	11/15/2022		20.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/08/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	10/09/2023		38.2000	*	20.0000
Lithium, Total	ug/L	MW-9I	04/04/2024		22.9000	*	20.0000
Lithium, Total	ug/L	MW-9I	10/09/2024		38.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	04/01/2025	ND	20.0000		20.0000
Molybdenum, Total	ug/L	MW-10I	08/09/2019		181.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	11/12/2021		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	05/18/2022		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	11/28/2022		144.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	05/08/2023		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	10/10/2023		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	04/03/2024		114.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	10/10/2024		113.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10I	04/04/2025		121.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	04/20/2016		179.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	06/02/2016		180.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	08/12/2016		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	09/30/2016		172.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	12/01/2016		177.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	01/31/2017		164.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/25/2017		174.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	08/10/2017		181.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/22/2018		170.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	09/12/2018		165.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/08/2019		169.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/14/2019		156.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/07/2020		170.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/12/2020		164.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/17/2021		152.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/17/2021		149.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/12/2022		148.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	11/21/2022		127.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	05/02/2023		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	10/09/2023		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	04/09/2024		127.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	10/15/2024		116.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11I	04/03/2025		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12I	03/29/2023		220.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12I	04/27/2023		225.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12I	07/06/2023		196.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12I	10/11/2023		157.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12I	04/16/2024		157.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12I	10/01/2024		137.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12I	04/17/2025		160.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	04/19/2016		126.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-1I	06/02/2016		126.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	08/10/2016		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	09/30/2016		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	12/02/2016		120.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	01/31/2017		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/26/2017		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	08/11/2017		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/23/2018		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	09/11/2018		100.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/08/2019		114.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/14/2019		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/05/2020		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/11/2020		99.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/25/2021		97.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/09/2021		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	05/10/2022		96.3000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	11/22/2022		87.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	04/19/2023		87.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	10/11/2023		81.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	04/09/2024		95.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	10/15/2024		91.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1I	04/22/2025		88.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26I	03/27/2023		45.4000	*	10.0000
Molybdenum, Total	ug/L	MW-26I	05/04/2023		67.3000	*	10.0000
Molybdenum, Total	ug/L	MW-26I	07/05/2023		39.2000	*	10.0000
Molybdenum, Total	ug/L	MW-26I	10/16/2023		49.6000	*	10.0000
Molybdenum, Total	ug/L	MW-26I	04/03/2024		36.2000	*	10.0000
Molybdenum, Total	ug/L	MW-26I	10/02/2024		41.2000	*	10.0000
Molybdenum, Total	ug/L	MW-26I	04/03/2025		29.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	04/19/2016		102.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	06/01/2016		115.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	08/11/2016		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	09/30/2016		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	12/02/2016		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	01/31/2017		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/26/2017		92.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	08/11/2017		84.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/22/2018		75.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	09/11/2018		56.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/09/2019		67.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/13/2019		62.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/05/2020		64.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/11/2020		63.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/11/2021		64.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/10/2021		57.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	05/11/2022		65.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	11/15/2022		59.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	04/19/2023		73.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	10/10/2023		76.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	04/05/2024		88.6000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-2I	10/07/2024		86.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2I	04/14/2025		72.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	04/20/2016		71.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	06/01/2016		66.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	08/11/2016		64.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	09/30/2016		57.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	12/02/2016		58.8000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	01/31/2017		60.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/25/2017		57.8000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	08/11/2017		58.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/22/2018		79.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	09/11/2018		75.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/09/2019		91.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/13/2019		78.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/05/2020		80.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/11/2020		69.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/11/2021		59.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/18/2021		61.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	05/11/2022		60.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	11/15/2022		56.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	04/17/2023		68.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	10/09/2023		56.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	04/04/2024		42.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	10/07/2024		41.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3I	04/18/2025		44.3000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	04/20/2016		201.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	06/01/2016		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	08/11/2016		215.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	09/29/2016		214.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	12/01/2016		204.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	01/30/2017		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/25/2017		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	08/10/2017		207.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/22/2018		257.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	09/12/2018		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/08/2019		169.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	11/14/2019		186.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/08/2020		207.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	11/10/2020		229.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/18/2021		231.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	11/09/2021		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/11/2022		209.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	11/15/2022		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	05/01/2023		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	10/10/2023		160.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	04/04/2024		165.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	10/02/2024		120.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6I	04/10/2025		115.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	04/21/2016		12.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/31/2016		13.5000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

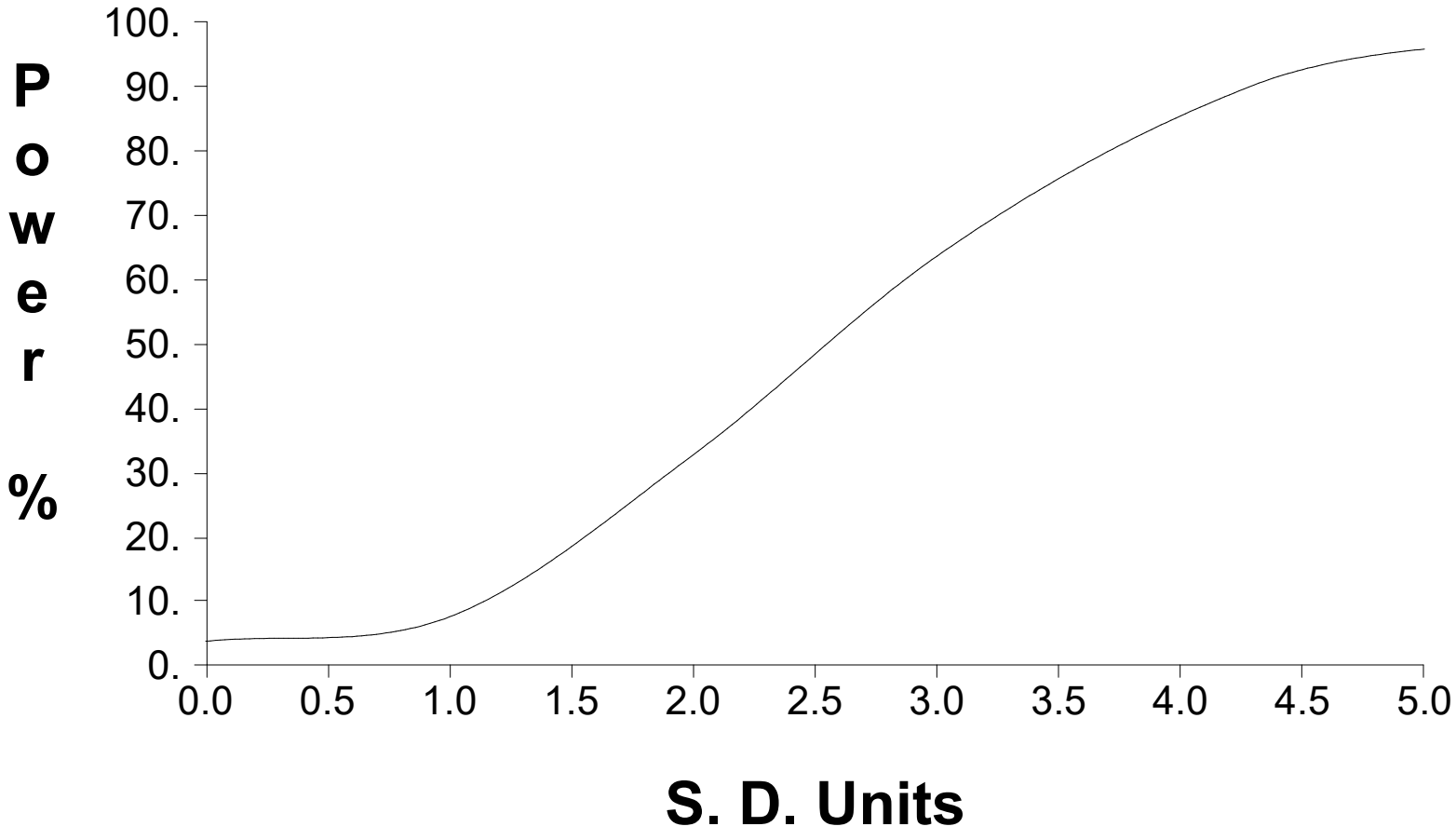
Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-9I	08/11/2016		12.7000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	09/29/2016		12.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/30/2016		13.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	01/30/2017		13.3000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/24/2017		11.4000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	08/10/2017		13.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/21/2018		11.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	09/12/2018	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9I	05/07/2019		14.1000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/13/2019		10.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/06/2020		16.3000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/10/2020		14.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/13/2021		10.8000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/12/2021		11.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/09/2022		10.8000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/15/2022		22.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/08/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9I	10/09/2023		86.9000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	04/04/2024		30.7000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	10/09/2024		96.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	04/01/2025		20.6000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

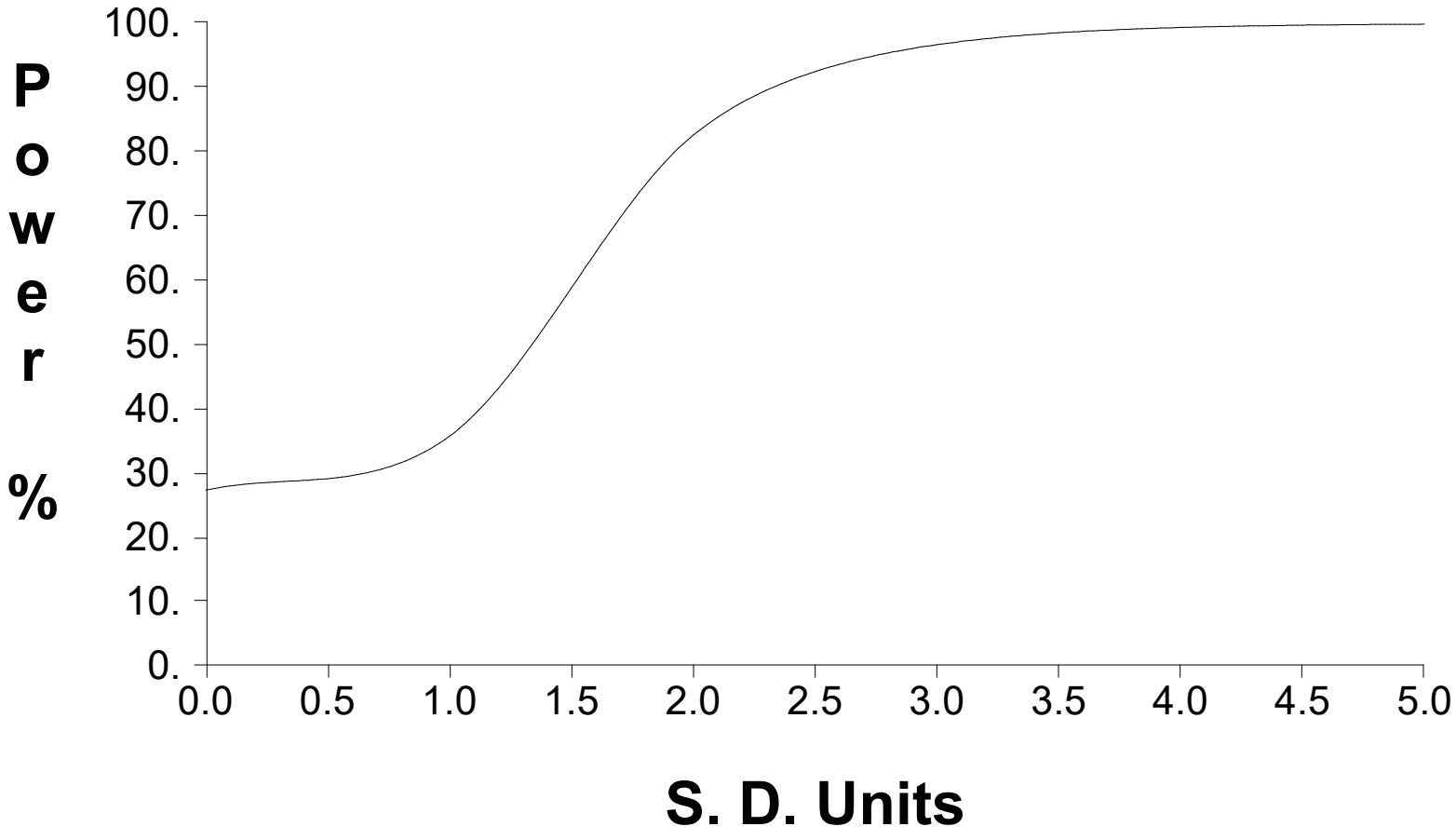


Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Boron, Total	ug/L	MW-13D	08/08/2019	ND	100.0000	
Boron, Total	ug/L	MW-13D	09/25/2019	ND	100.0000	
Boron, Total	ug/L	MW-13D	05/07/2020	ND	100.0000	
Boron, Total	ug/L	MW-13D	11/12/2020	ND	100.0000	
Boron, Total	ug/L	MW-13D	02/25/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	03/29/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	05/20/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	06/22/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	07/27/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	11/16/2021	ND	100.0000	
Boron, Total	ug/L	MW-13D	05/19/2022	ND	100.0000	
Boron, Total	ug/L	MW-13D	11/18/2022	ND	100.0000	
Boron, Total	ug/L	MW-13D	04/17/2023	ND	100.0000	
Boron, Total	ug/L	MW-13D	10/11/2023	ND	100.0000	
Boron, Total	ug/L	MW-13D	04/10/2024	ND	100.0000	
Boron, Total	ug/L	MW-13D	10/04/2024	ND	100.0000	
Boron, Total	ug/L	MW-13D	04/08/2025	ND	100.0000	
Calcium, Total	ug/L	MW-13D	08/08/2019		81500.0000	
Calcium, Total	ug/L	MW-13D	09/25/2019		83900.0000	
Calcium, Total	ug/L	MW-13D	05/07/2020		96500.0000	
Calcium, Total	ug/L	MW-13D	11/12/2020		97900.0000	
Calcium, Total	ug/L	MW-13D	02/25/2021		94900.0000	
Calcium, Total	ug/L	MW-13D	03/29/2021		98200.0000	
Calcium, Total	ug/L	MW-13D	05/20/2021		94700.0000	
Calcium, Total	ug/L	MW-13D	06/22/2021		91500.0000	
Calcium, Total	ug/L	MW-13D	07/27/2021		93400.0000	
Calcium, Total	ug/L	MW-13D	11/16/2021		92800.0000	
Calcium, Total	ug/L	MW-13D	05/19/2022		94600.0000	
Calcium, Total	ug/L	MW-13D	11/18/2022		80900.0000	
Calcium, Total	ug/L	MW-13D	04/17/2023		81900.0000	
Calcium, Total	ug/L	MW-13D	10/11/2023		71000.0000	
Calcium, Total	ug/L	MW-13D	04/10/2024		74600.0000	
Calcium, Total	ug/L	MW-13D	10/04/2024		63900.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Calcium, Total	ug/L	MW-13D	04/08/2025		70000.0000	
Chloride	mg/L	MW-13D	08/08/2019		8.5000	
Chloride	mg/L	MW-13D	09/25/2019		11.1000	
Chloride	mg/L	MW-13D	05/07/2020		43.4000	
Chloride	mg/L	MW-13D	11/12/2020		52.2000	
Chloride	mg/L	MW-13D	02/25/2021		54.4000	
Chloride	mg/L	MW-13D	03/29/2021		55.2000	
Chloride	mg/L	MW-13D	05/20/2021		49.0000	
Chloride	mg/L	MW-13D	06/22/2021		44.7000	
Chloride	mg/L	MW-13D	07/27/2021		46.8000	
Chloride	mg/L	MW-13D	11/16/2021		43.2000	
Chloride	mg/L	MW-13D	05/19/2022		53.5000	
Chloride	mg/L	MW-13D	11/18/2022		50.9000	
Chloride	mg/L	MW-13D	04/17/2023		47.1000	
Chloride	mg/L	MW-13D	10/11/2023		25.4000	
Chloride	mg/L	MW-13D	04/10/2024		30.9000	
Chloride	mg/L	MW-13D	10/04/2024		21.2000	
Chloride	mg/L	MW-13D	04/08/2025		23.9000	
Fluoride	mg/L	MW-13D	08/08/2019	ND	0.1000	
Fluoride	mg/L	MW-13D	09/25/2019		0.1100	
Fluoride	mg/L	MW-13D	05/07/2020		0.1100	
Fluoride	mg/L	MW-13D	11/12/2020	ND	0.1000	
Fluoride	mg/L	MW-13D	02/25/2021	ND	0.1000	
Fluoride	mg/L	MW-13D	03/29/2021	ND	0.1000	
Fluoride	mg/L	MW-13D	05/20/2021	ND	0.1000	
Fluoride	mg/L	MW-13D	06/22/2021		0.1200	
Fluoride	mg/L	MW-13D	07/27/2021		0.1200	
Fluoride	mg/L	MW-13D	11/16/2021	ND	0.1000	
Fluoride	mg/L	MW-13D	05/19/2022		0.1000	
Fluoride	mg/L	MW-13D	11/18/2022		0.1100	
Fluoride	mg/L	MW-13D	04/17/2023	ND	0.1000	
Fluoride	mg/L	MW-13D	10/11/2023	ND	0.1000	
Fluoride	mg/L	MW-13D	04/10/2024	ND	0.1000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Fluoride	mg/L	MW-13D	10/04/2024	ND	0.1000	
Fluoride	mg/L	MW-13D	04/08/2025	ND	0.1000	
pH (field)	S.U.	MW-13D	08/08/2019		7.3300	
pH (field)	S.U.	MW-13D	09/25/2019		7.2700	
pH (field)	S.U.	MW-13D	05/07/2020		7.2000	
pH (field)	S.U.	MW-13D	11/12/2020		7.2900	
pH (field)	S.U.	MW-13D	02/25/2021		6.7500	
pH (field)	S.U.	MW-13D	03/29/2021		7.1800	
pH (field)	S.U.	MW-13D	05/20/2021		6.8200	
pH (field)	S.U.	MW-13D	07/27/2021		6.7600	
pH (field)	S.U.	MW-13D	11/16/2021		7.3600	
pH (field)	S.U.	MW-13D	05/19/2022		7.1500	
pH (field)	S.U.	MW-13D	11/18/2022		7.5600	
pH (field)	S.U.	MW-13D	04/17/2023		6.9500	
pH (field)	S.U.	MW-13D	10/11/2023		6.2200	
pH (field)	S.U.	MW-13D	04/10/2024		7.3352	
pH (field)	S.U.	MW-13D	10/04/2024		7.2300	
pH (field)	S.U.	MW-13D	04/08/2025		7.8200	
Sulfate	mg/L	MW-13D	08/08/2019		75.3000	
Sulfate	mg/L	MW-13D	09/25/2019		57.8000	
Sulfate	mg/L	MW-13D	05/07/2020		44.0000	
Sulfate	mg/L	MW-13D	11/12/2020		40.9000	
Sulfate	mg/L	MW-13D	02/25/2021		40.3000	
Sulfate	mg/L	MW-13D	03/29/2021		40.6000	
Sulfate	mg/L	MW-13D	05/20/2021		45.0000	
Sulfate	mg/L	MW-13D	06/22/2021		40.0000	
Sulfate	mg/L	MW-13D	07/27/2021		35.9000	
Sulfate	mg/L	MW-13D	11/16/2021		45.2000	
Sulfate	mg/L	MW-13D	05/19/2022		35.7000	
Sulfate	mg/L	MW-13D	11/18/2022		34.4000	
Sulfate	mg/L	MW-13D	04/17/2023		27.7000	
Sulfate	mg/L	MW-13D	10/11/2023		25.6000	
Sulfate	mg/L	MW-13D	04/10/2024		28.2000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted
Sulfate	mg/L	MW-13D	10/04/2024		29.6000	
Sulfate	mg/L	MW-13D	04/08/2025		28.3000	
Total Dissolved Solids	mg/L	MW-13D	08/08/2019		353.0000	
Total Dissolved Solids	mg/L	MW-13D	09/25/2019		390.0000	
Total Dissolved Solids	mg/L	MW-13D	05/07/2020		391.0000	
Total Dissolved Solids	mg/L	MW-13D	11/12/2020		391.0000	
Total Dissolved Solids	mg/L	MW-13D	02/25/2021		399.0000	
Total Dissolved Solids	mg/L	MW-13D	03/29/2021		403.0000	
Total Dissolved Solids	mg/L	MW-13D	05/20/2021		397.0000	
Total Dissolved Solids	mg/L	MW-13D	06/22/2021		407.0000	
Total Dissolved Solids	mg/L	MW-13D	07/27/2021		447.0000	
Total Dissolved Solids	mg/L	MW-13D	11/16/2021		388.0000	
Total Dissolved Solids	mg/L	MW-13D	05/19/2022		418.0000	
Total Dissolved Solids	mg/L	MW-13D	11/18/2022		390.0000	
Total Dissolved Solids	mg/L	MW-13D	04/17/2023		374.0000	
Total Dissolved Solids	mg/L	MW-13D	10/11/2023		331.0000	
Total Dissolved Solids	mg/L	MW-13D	04/10/2024		318.0000	
Total Dissolved Solids	mg/L	MW-13D	10/04/2024		300.0000	
Total Dissolved Solids	mg/L	MW-13D	04/08/2025		311.0000	

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10D	04/08/2025		343.0000	***	100.0000
Boron, Total	ug/L	MW-11D	04/18/2025		510.0000	***	100.0000
Boron, Total	ug/L	MW-12D	04/17/2025		919.0000	***	100.0000
Boron, Total	ug/L	MW-1D	04/22/2025		224.0000	***	100.0000
Boron, Total	ug/L	MW-26D	04/03/2025	ND	100.0000		100.0000
Boron, Total	ug/L	MW-2D	04/14/2025		122.0000	***	100.0000
Boron, Total	ug/L	MW-3D	04/18/2025	ND	100.0000	**	100.0000
Boron, Total	ug/L	MW-4D	04/14/2025		145.0000	***	100.0000
Boron, Total	ug/L	MW-6D	04/10/2025		1090.0000	***	100.0000
Boron, Total	ug/L	MW-9D	04/01/2025	ND	100.0000		100.0000
Calcium, Total	ug/L	MW-10D	04/08/2025		99400.0000	**	115171.4115
Calcium, Total	ug/L	MW-11D	04/18/2025		77200.0000		115171.4115
Calcium, Total	ug/L	MW-12D	04/17/2025		87900.0000		115171.4115
Calcium, Total	ug/L	MW-1D	04/22/2025		68800.0000		115171.4115
Calcium, Total	ug/L	MW-26D	04/03/2025		119000.0000	*	115171.4115
Calcium, Total	ug/L	MW-2D	04/14/2025		69300.0000		115171.4115
Calcium, Total	ug/L	MW-3D	04/18/2025		73100.0000		115171.4115
Calcium, Total	ug/L	MW-4D	04/14/2025		120000.0000	*	115171.4115
Calcium, Total	ug/L	MW-6D	04/10/2025		88300.0000		115171.4115
Calcium, Total	ug/L	MW-9D	04/01/2025		117000.0000	***	115171.4115
Chloride	mg/L	MW-10D	04/08/2025		97.7000	***	79.9845
Chloride	mg/L	MW-11D	04/18/2025		97.5000	***	79.9845
Chloride	mg/L	MW-12D	04/17/2025		101.0000	***	79.9845
Chloride	mg/L	MW-1D	04/22/2025		70.9000	**	79.9845
Chloride	mg/L	MW-26D	04/03/2025		92.8000	*	79.9845
Chloride	mg/L	MW-2D	04/14/2025		57.2000		79.9845
Chloride	mg/L	MW-3D	04/18/2025		37.4000		79.9845
Chloride	mg/L	MW-4D	04/14/2025		126.0000	***	79.9845
Chloride	mg/L	MW-6D	04/10/2025		101.0000	***	79.9845
Chloride	mg/L	MW-9D	04/01/2025		61.5000	**	79.9845
Fluoride	mg/L	MW-10D	04/08/2025		0.1800	***	0.1200

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11D	04/18/2025		0.2700	***	0.1200
Fluoride	mg/L	MW-12D	04/17/2025		0.2300	***	0.1200
Fluoride	mg/L	MW-1D	04/22/2025		0.3800	***	0.1200
Fluoride	mg/L	MW-26D	04/03/2025	ND	0.1000		0.1200
Fluoride	mg/L	MW-2D	04/14/2025		0.3200	***	0.1200
Fluoride	mg/L	MW-3D	04/18/2025		0.2200	***	0.1200
Fluoride	mg/L	MW-4D	04/14/2025		0.2600	***	0.1200
Fluoride	mg/L	MW-6D	04/10/2025		0.1600	***	0.1200
Fluoride	mg/L	MW-9D	04/01/2025	ND	0.1000		0.1200
pH (field)	S.U.	MW-10D	04/08/2025		7.2400		6.01 - 8.27
pH (field)	S.U.	MW-11D	04/18/2025		7.4900		6.01 - 8.27
pH (field)	S.U.	MW-12D	04/17/2025		7.8700		6.01 - 8.27
pH (field)	S.U.	MW-1D	04/22/2025		7.4900		6.01 - 8.27
pH (field)	S.U.	MW-26D	04/03/2025		7.3600		6.01 - 8.27
pH (field)	S.U.	MW-2D	04/14/2025		8.0400		6.01 - 8.27
pH (field)	S.U.	MW-3D	04/18/2025		7.9200		6.01 - 8.27
pH (field)	S.U.	MW-4D	04/14/2025		7.7200		6.01 - 8.27
pH (field)	S.U.	MW-6D	04/10/2025		7.8500		6.01 - 8.27
pH (field)	S.U.	MW-9D	04/01/2025		7.3600		6.01 - 8.27
Sulfate	mg/L	MW-10D	04/08/2025		73.1000	***	72.4835
Sulfate	mg/L	MW-11D	04/18/2025		85.9000	***	72.4835
Sulfate	mg/L	MW-12D	04/17/2025		90.8000	***	72.4835
Sulfate	mg/L	MW-1D	04/22/2025		68.2000	**	72.4835
Sulfate	mg/L	MW-26D	04/03/2025		67.1000	**	72.4835
Sulfate	mg/L	MW-2D	04/14/2025		47.6000		72.4835
Sulfate	mg/L	MW-3D	04/18/2025		30.1000		72.4835
Sulfate	mg/L	MW-4D	04/14/2025		75.3000	*	72.4835
Sulfate	mg/L	MW-6D	04/10/2025		90.8000	***	72.4835
Sulfate	mg/L	MW-9D	04/01/2025		48.9000	**	72.4835
Total Dissolved Solids	mg/L	MW-10D	04/08/2025		551.0000	***	484.7691
Total Dissolved Solids	mg/L	MW-11D	04/18/2025		501.0000	*	484.7691

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-12D	04/17/2025		498.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	04/22/2025		447.0000	**	484.7691
Total Dissolved Solids	mg/L	MW-26D	04/03/2025		543.0000	***	484.7691
Total Dissolved Solids	mg/L	MW-2D	04/14/2025		416.0000		484.7691
Total Dissolved Solids	mg/L	MW-3D	04/18/2025		385.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	04/14/2025		579.0000	***	484.7691
Total Dissolved Solids	mg/L	MW-6D	04/10/2025		516.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	04/01/2025		529.0000	***	484.7691

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Boron, Total	0	17	0.000	160	173	0.925
Calcium, Total	17	17	1.000	173	173	1.000
Chloride	17	17	1.000	173	173	1.000
Fluoride	6	17	0.353	161	173	0.931
pH (field)	16	16	1.000	172	172	1.000
Sulfate	17	17	1.000	172	173	0.994
Total Dissolved Solids	17	17	1.000	173	173	1.000

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Boron, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Calcium, Total	17	17	1.000	1.705	1.919					2.326	normal	normal
Chloride	17	17	1.000	2.122	3.213					2.326	normal	normal
Fluoride	6	17	0.353	4.766	4.741					2.326	non-norm	nonpar
pH (field)	16	16	1.000	0.493	0.857					2.326	normal	normal
Sulfate	17	17	1.000	2.301	0.623					2.326	normal	normal
Total Dissolved Solids	17	17	1.000	1.304	1.675					2.326	normal	normal

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Boron, Total	ug/L	0	17					100.0000	nonpar	***	0.95
Calcium, Total	ug/L	17	17	86011.7647	10976.2745	0.0100	2.6566	115171.4115	normal		
Chloride	mg/L	17	17	38.9059	15.4628	0.0100	2.6566	79.9845	normal		
Fluoride	mg/L	6	17					0.1200	nonpar		0.95
pH (field)	S.U.	16	16	7.1391	0.3738	0.0100	3.0334	6.01 - 8.27	normal		
Sulfate	mg/L	17	17	39.6765	12.3492	0.0100	2.6566	72.4835	normal		
Total Dissolved Solids	mg/L	17	17	376.9412	40.5886	0.0100	2.6566	484.7691	normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10D	08/09/2019		346.0000	*	100.0000
Boron, Total	ug/L	MW-10D	11/12/2021		416.0000	*	100.0000
Boron, Total	ug/L	MW-10D	05/18/2022		305.0000	*	100.0000
Boron, Total	ug/L	MW-10D	11/28/2022		233.0000	*	100.0000
Boron, Total	ug/L	MW-10D	05/04/2023		209.0000	*	100.0000
Boron, Total	ug/L	MW-10D	10/10/2023		338.0000	*	100.0000
Boron, Total	ug/L	MW-10D	04/03/2024		615.0000	*	100.0000
Boron, Total	ug/L	MW-10D	10/09/2024		782.0000	*	100.0000
Boron, Total	ug/L	MW-10D	04/08/2025		343.0000	*	100.0000
Boron, Total	ug/L	MW-11D	04/20/2016		3440.0000	*	100.0000
Boron, Total	ug/L	MW-11D	06/02/2016		3890.0000	*	100.0000
Boron, Total	ug/L	MW-11D	08/12/2016		4230.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/30/2016		4570.0000	*	100.0000
Boron, Total	ug/L	MW-11D	12/01/2016		4530.0000	*	100.0000
Boron, Total	ug/L	MW-11D	01/31/2017		4650.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/25/2017		5140.0000	*	100.0000
Boron, Total	ug/L	MW-11D	08/10/2017		5420.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/28/2017		4890.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/22/2018		5050.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/12/2018		4940.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/08/2019		5390.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/14/2019		5140.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/07/2020		5070.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/12/2020		3330.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/17/2021		2480.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/17/2021		2450.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/12/2022		2270.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/29/2022		1600.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/03/2023		1380.0000	*	100.0000
Boron, Total	ug/L	MW-11D	10/09/2023		917.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-11D	04/09/2024		620.0000	*	100.0000
Boron, Total	ug/L	MW-11D	10/15/2024		592.0000	*	100.0000
Boron, Total	ug/L	MW-11D	04/18/2025		510.0000	*	100.0000
Boron, Total	ug/L	MW-12D	03/29/2023		1660.0000	*	100.0000
Boron, Total	ug/L	MW-12D	04/27/2023		2110.0000	*	100.0000
Boron, Total	ug/L	MW-12D	07/06/2023		1750.0000	*	100.0000
Boron, Total	ug/L	MW-12D	10/17/2023		1400.0000	*	100.0000
Boron, Total	ug/L	MW-12D	04/16/2024		1240.0000	*	100.0000
Boron, Total	ug/L	MW-12D	10/01/2024		1170.0000	*	100.0000
Boron, Total	ug/L	MW-12D	04/17/2025		919.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/19/2016		2560.0000	*	100.0000
Boron, Total	ug/L	MW-1D	06/02/2016		2910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	08/10/2016		2840.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/30/2016		2910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	12/02/2016		2820.0000	*	100.0000
Boron, Total	ug/L	MW-1D	01/31/2017		3120.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/26/2017		2850.0000	*	100.0000
Boron, Total	ug/L	MW-1D	08/11/2017		2950.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/28/2017		2590.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/23/2018		2600.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/11/2018		2670.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/08/2019		2680.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/14/2019		1650.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/05/2020		1410.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/11/2020		1110.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/25/2021		983.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/09/2021		910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/10/2022		867.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/22/2022		720.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/19/2023		538.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-1D	10/11/2023		417.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/09/2024		317.0000	*	100.0000
Boron, Total	ug/L	MW-1D	10/15/2024		281.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/22/2025		224.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/19/2016		1020.0000	*	100.0000
Boron, Total	ug/L	MW-2D	06/02/2016		1300.0000	*	100.0000
Boron, Total	ug/L	MW-2D	08/11/2016		1740.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/30/2016		2160.0000	*	100.0000
Boron, Total	ug/L	MW-2D	12/02/2016		2560.0000	*	100.0000
Boron, Total	ug/L	MW-2D	01/31/2017		2800.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/26/2017		2330.0000	*	100.0000
Boron, Total	ug/L	MW-2D	08/11/2017		1940.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/27/2017		1620.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/22/2018		1840.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/11/2018		1110.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/09/2019		940.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/13/2019		562.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/05/2020		392.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/11/2020		234.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/11/2021		245.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/10/2021		232.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/11/2022		194.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/15/2022		191.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/18/2023		160.0000	*	100.0000
Boron, Total	ug/L	MW-2D	10/10/2023		138.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/05/2024		145.0000	*	100.0000
Boron, Total	ug/L	MW-2D	10/07/2024		136.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/14/2025		122.0000	*	100.0000
Boron, Total	ug/L	MW-3D	04/17/2023		170.0000	*	100.0000
Boron, Total	ug/L	MW-3D	07/06/2023		180.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-3D	10/10/2023		140.0000	*	100.0000
Boron, Total	ug/L	MW-3D	04/04/2024		121.0000	*	100.0000
Boron, Total	ug/L	MW-3D	10/07/2024		121.0000	*	100.0000
Boron, Total	ug/L	MW-3D	04/18/2025	ND	100.0000		100.0000
Boron, Total	ug/L	MW-4D	04/20/2016		194.0000	*	100.0000
Boron, Total	ug/L	MW-4D	06/01/2016		191.0000	*	100.0000
Boron, Total	ug/L	MW-4D	08/11/2016		184.0000	*	100.0000
Boron, Total	ug/L	MW-4D	09/29/2016		189.0000	*	100.0000
Boron, Total	ug/L	MW-4D	12/01/2016		189.0000	*	100.0000
Boron, Total	ug/L	MW-4D	01/31/2017		194.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/25/2017		198.0000	*	100.0000
Boron, Total	ug/L	MW-4D	08/10/2017		207.0000	*	100.0000
Boron, Total	ug/L	MW-4D	09/28/2017		184.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/21/2018		189.0000	*	100.0000
Boron, Total	ug/L	MW-4D	09/11/2018		163.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/07/2019		164.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/13/2019		158.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/06/2020		134.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/10/2020		136.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/12/2021		140.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/17/2021		115.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/10/2022		138.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/21/2022		128.0000	*	100.0000
Boron, Total	ug/L	MW-4D	04/25/2023		132.0000	*	100.0000
Boron, Total	ug/L	MW-4D	10/06/2023		105.0000	*	100.0000
Boron, Total	ug/L	MW-4D	04/09/2024		127.0000	*	100.0000
Boron, Total	ug/L	MW-4D	10/03/2024		106.0000	*	100.0000
Boron, Total	ug/L	MW-4D	04/14/2025		145.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/20/2016		5990.0000	*	100.0000
Boron, Total	ug/L	MW-6D	06/01/2016		5890.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-6D	08/11/2016		5540.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/29/2016		5630.0000	*	100.0000
Boron, Total	ug/L	MW-6D	12/01/2016		5390.0000	*	100.0000
Boron, Total	ug/L	MW-6D	01/30/2017		5210.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/25/2017		5300.0000	*	100.0000
Boron, Total	ug/L	MW-6D	08/10/2017		5410.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/27/2017		5170.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/22/2018		4820.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/10/2018		4230.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/08/2019		4330.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/14/2019		4480.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/08/2020		4740.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/10/2020		4350.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/18/2021		3590.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/09/2021		3220.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/11/2022		3060.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/15/2022		2730.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/01/2023		2090.0000	*	100.0000
Boron, Total	ug/L	MW-6D	10/10/2023		1840.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/04/2024		1520.0000	*	100.0000
Boron, Total	ug/L	MW-6D	10/02/2024		1420.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/10/2025		1090.0000	*	100.0000
Calcium, Total	ug/L	MW-10D	08/09/2019		92800.0000		115171.4115
Calcium, Total	ug/L	MW-10D	11/12/2021		101000.0000		115171.4115
Calcium, Total	ug/L	MW-10D	05/18/2022		97700.0000		115171.4115
Calcium, Total	ug/L	MW-10D	11/28/2022		93800.0000		115171.4115
Calcium, Total	ug/L	MW-10D	05/04/2023		96300.0000		115171.4115
Calcium, Total	ug/L	MW-10D	10/10/2023		170000.0000	*	115171.4115
Calcium, Total	ug/L	MW-10D	04/03/2024		143000.0000	*	115171.4115
Calcium, Total	ug/L	MW-10D	10/09/2024		169000.0000	*	115171.4115

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-10D	04/08/2025		99400.0000		115171.4115
Calcium, Total	ug/L	MW-26D	03/27/2023		111000.0000		115171.4115
Calcium, Total	ug/L	MW-26D	05/04/2023		107000.0000		115171.4115
Calcium, Total	ug/L	MW-26D	07/05/2023		116000.0000	*	115171.4115
Calcium, Total	ug/L	MW-26D	10/16/2023		116000.0000	*	115171.4115
Calcium, Total	ug/L	MW-26D	04/03/2024		135000.0000	*	115171.4115
Calcium, Total	ug/L	MW-26D	10/02/2024		110000.0000		115171.4115
Calcium, Total	ug/L	MW-26D	04/03/2025		119000.0000	*	115171.4115
Calcium, Total	ug/L	MW-4D	04/20/2016		75400.0000		115171.4115
Calcium, Total	ug/L	MW-4D	06/01/2016		69400.0000		115171.4115
Calcium, Total	ug/L	MW-4D	08/11/2016		68400.0000		115171.4115
Calcium, Total	ug/L	MW-4D	09/29/2016		65900.0000		115171.4115
Calcium, Total	ug/L	MW-4D	12/01/2016		67700.0000		115171.4115
Calcium, Total	ug/L	MW-4D	01/31/2017		67800.0000		115171.4115
Calcium, Total	ug/L	MW-4D	05/25/2017		70000.0000		115171.4115
Calcium, Total	ug/L	MW-4D	08/10/2017		75200.0000		115171.4115
Calcium, Total	ug/L	MW-4D	09/28/2017		74700.0000		115171.4115
Calcium, Total	ug/L	MW-4D	05/21/2018		80600.0000		115171.4115
Calcium, Total	ug/L	MW-4D	09/11/2018		67900.0000		115171.4115
Calcium, Total	ug/L	MW-4D	05/07/2019		75100.0000		115171.4115
Calcium, Total	ug/L	MW-4D	11/13/2019		72700.0000		115171.4115
Calcium, Total	ug/L	MW-4D	05/06/2020		66900.0000		115171.4115
Calcium, Total	ug/L	MW-4D	11/10/2020		75100.0000		115171.4115
Calcium, Total	ug/L	MW-4D	05/12/2021		74300.0000		115171.4115
Calcium, Total	ug/L	MW-4D	11/17/2021		68400.0000		115171.4115
Calcium, Total	ug/L	MW-4D	05/10/2022		70200.0000		115171.4115
Calcium, Total	ug/L	MW-4D	11/21/2022		72500.0000		115171.4115
Calcium, Total	ug/L	MW-4D	04/25/2023		83900.0000		115171.4115
Calcium, Total	ug/L	MW-4D	10/06/2023		82500.0000		115171.4115
Calcium, Total	ug/L	MW-4D	04/09/2024		105000.0000		115171.4115

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Calcium, Total	ug/L	MW-4D	10/03/2024		106000.0000		115171.4115
Calcium, Total	ug/L	MW-4D	04/14/2025		120000.0000	*	115171.4115
Calcium, Total	ug/L	MW-9D	04/21/2016		89600.0000		115171.4115
Calcium, Total	ug/L	MW-9D	05/31/2016		82100.0000		115171.4115
Calcium, Total	ug/L	MW-9D	08/11/2016		77300.0000		115171.4115
Calcium, Total	ug/L	MW-9D	09/29/2016		79100.0000		115171.4115
Calcium, Total	ug/L	MW-9D	11/30/2016		84500.0000		115171.4115
Calcium, Total	ug/L	MW-9D	01/30/2017		94400.0000		115171.4115
Calcium, Total	ug/L	MW-9D	05/24/2017		86000.0000		115171.4115
Calcium, Total	ug/L	MW-9D	08/10/2017		81100.0000		115171.4115
Calcium, Total	ug/L	MW-9D	09/26/2017		85200.0000		115171.4115
Calcium, Total	ug/L	MW-9D	05/21/2018		81000.0000		115171.4115
Calcium, Total	ug/L	MW-9D	09/12/2018		88300.0000		115171.4115
Calcium, Total	ug/L	MW-9D	05/07/2019		99200.0000		115171.4115
Calcium, Total	ug/L	MW-9D	11/13/2019		97600.0000		115171.4115
Calcium, Total	ug/L	MW-9D	05/06/2020		111000.0000		115171.4115
Calcium, Total	ug/L	MW-9D	11/10/2020		97500.0000		115171.4115
Calcium, Total	ug/L	MW-9D	05/13/2021		121000.0000	*	115171.4115
Calcium, Total	ug/L	MW-9D	11/12/2021		102000.0000		115171.4115
Calcium, Total	ug/L	MW-9D	05/09/2022		101000.0000		115171.4115
Calcium, Total	ug/L	MW-9D	11/15/2022		124000.0000	*	115171.4115
Calcium, Total	ug/L	MW-9D	05/08/2023		167000.0000	*	115171.4115
Calcium, Total	ug/L	MW-9D	10/09/2023		118000.0000	*	115171.4115
Calcium, Total	ug/L	MW-9D	04/04/2024		132000.0000	*	115171.4115
Calcium, Total	ug/L	MW-9D	10/09/2024		116000.0000	*	115171.4115
Calcium, Total	ug/L	MW-9D	04/01/2025		117000.0000	*	115171.4115
Chloride	mg/L	MW-10D	08/09/2019		45.8000		79.9845
Chloride	mg/L	MW-10D	11/12/2021		119.0000	*	79.9845
Chloride	mg/L	MW-10D	05/18/2022		77.6000		79.9845
Chloride	mg/L	MW-10D	11/28/2022		84.1000	*	79.9845

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-10D	05/04/2023		86.1000	*	79.9845
Chloride	mg/L	MW-10D	10/10/2023		161.0000	*	79.9845
Chloride	mg/L	MW-10D	04/03/2024		134.0000	*	79.9845
Chloride	mg/L	MW-10D	10/09/2024		188.0000	*	79.9845
Chloride	mg/L	MW-10D	04/08/2025		97.7000	*	79.9845
Chloride	mg/L	MW-11D	04/20/2016		147.0000	*	79.9845
Chloride	mg/L	MW-11D	06/02/2016		149.0000	*	79.9845
Chloride	mg/L	MW-11D	08/12/2016		150.0000	*	79.9845
Chloride	mg/L	MW-11D	09/30/2016		152.0000	*	79.9845
Chloride	mg/L	MW-11D	12/01/2016		157.0000	*	79.9845
Chloride	mg/L	MW-11D	01/31/2017		150.0000	*	79.9845
Chloride	mg/L	MW-11D	05/25/2017		152.0000	*	79.9845
Chloride	mg/L	MW-11D	08/10/2017		146.0000	*	79.9845
Chloride	mg/L	MW-11D	09/28/2017		134.0000	*	79.9845
Chloride	mg/L	MW-11D	05/22/2018		149.0000	*	79.9845
Chloride	mg/L	MW-11D	09/12/2018		153.0000	*	79.9845
Chloride	mg/L	MW-11D	05/08/2019		142.0000	*	79.9845
Chloride	mg/L	MW-11D	11/14/2019		133.0000	*	79.9845
Chloride	mg/L	MW-11D	05/07/2020		132.0000	*	79.9845
Chloride	mg/L	MW-11D	11/12/2020		102.0000	*	79.9845
Chloride	mg/L	MW-11D	05/17/2021		99.4000	*	79.9845
Chloride	mg/L	MW-11D	11/17/2021		96.9000	*	79.9845
Chloride	mg/L	MW-11D	05/12/2022		105.0000	*	79.9845
Chloride	mg/L	MW-11D	11/29/2022		98.8000	*	79.9845
Chloride	mg/L	MW-11D	05/03/2023		83.0000	*	79.9845
Chloride	mg/L	MW-11D	10/09/2023		90.8000	*	79.9845
Chloride	mg/L	MW-11D	04/09/2024		92.3000	*	79.9845
Chloride	mg/L	MW-11D	10/15/2024		95.0000	*	79.9845
Chloride	mg/L	MW-11D	04/18/2025		97.5000	*	79.9845
Chloride	mg/L	MW-12D	03/29/2023		89.7000	*	79.9845

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-12D	04/27/2023		87.1000	*	79.9845
Chloride	mg/L	MW-12D	07/06/2023		78.8000		79.9845
Chloride	mg/L	MW-12D	10/17/2023		79.4000		79.9845
Chloride	mg/L	MW-12D	04/16/2024		90.3000	*	79.9845
Chloride	mg/L	MW-12D	10/01/2024		94.3000	*	79.9845
Chloride	mg/L	MW-12D	04/17/2025		101.0000	*	79.9845
Chloride	mg/L	MW-1D	04/19/2016		166.0000	*	79.9845
Chloride	mg/L	MW-1D	06/02/2016		159.0000	*	79.9845
Chloride	mg/L	MW-1D	08/10/2016		140.0000	*	79.9845
Chloride	mg/L	MW-1D	09/30/2016		131.0000	*	79.9845
Chloride	mg/L	MW-1D	12/02/2016		133.0000	*	79.9845
Chloride	mg/L	MW-1D	01/31/2017		141.0000	*	79.9845
Chloride	mg/L	MW-1D	05/26/2017		133.0000	*	79.9845
Chloride	mg/L	MW-1D	08/11/2017		135.0000	*	79.9845
Chloride	mg/L	MW-1D	09/28/2017		64.1000		79.9845
Chloride	mg/L	MW-1D	05/23/2018		167.0000	*	79.9845
Chloride	mg/L	MW-1D	09/11/2018		134.0000	*	79.9845
Chloride	mg/L	MW-1D	05/08/2019		116.0000	*	79.9845
Chloride	mg/L	MW-1D	11/14/2019		105.0000	*	79.9845
Chloride	mg/L	MW-1D	05/05/2020		96.6000	*	79.9845
Chloride	mg/L	MW-1D	11/11/2020		103.0000	*	79.9845
Chloride	mg/L	MW-1D	05/25/2021		94.1000	*	79.9845
Chloride	mg/L	MW-1D	11/09/2021		88.2000	*	79.9845
Chloride	mg/L	MW-1D	05/10/2022		88.8000	*	79.9845
Chloride	mg/L	MW-1D	11/22/2022		92.3000	*	79.9845
Chloride	mg/L	MW-1D	04/19/2023		102.0000	*	79.9845
Chloride	mg/L	MW-1D	10/11/2023		85.4000	*	79.9845
Chloride	mg/L	MW-1D	04/09/2024		106.0000	*	79.9845
Chloride	mg/L	MW-1D	10/15/2024		99.3000	*	79.9845
Chloride	mg/L	MW-1D	04/22/2025		70.9000		79.9845

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-26D	03/27/2023		40.6000		79.9845
Chloride	mg/L	MW-26D	05/04/2023		47.6000		79.9845
Chloride	mg/L	MW-26D	07/05/2023		45.5000		79.9845
Chloride	mg/L	MW-26D	10/16/2023		45.1000		79.9845
Chloride	mg/L	MW-26D	04/03/2024		81.9000	*	79.9845
Chloride	mg/L	MW-26D	10/02/2024		68.3000		79.9845
Chloride	mg/L	MW-26D	04/03/2025		92.8000	*	79.9845
Chloride	mg/L	MW-4D	04/20/2016		110.0000	*	79.9845
Chloride	mg/L	MW-4D	06/01/2016		108.0000	*	79.9845
Chloride	mg/L	MW-4D	08/11/2016		108.0000	*	79.9845
Chloride	mg/L	MW-4D	09/29/2016		97.3000	*	79.9845
Chloride	mg/L	MW-4D	12/01/2016		94.5000	*	79.9845
Chloride	mg/L	MW-4D	01/31/2017		90.4000	*	79.9845
Chloride	mg/L	MW-4D	05/25/2017		93.3000	*	79.9845
Chloride	mg/L	MW-4D	08/10/2017		86.0000	*	79.9845
Chloride	mg/L	MW-4D	09/28/2017		82.3000	*	79.9845
Chloride	mg/L	MW-4D	05/21/2018		100.0000	*	79.9845
Chloride	mg/L	MW-4D	09/11/2018		84.5000	*	79.9845
Chloride	mg/L	MW-4D	05/07/2019		93.3000	*	79.9845
Chloride	mg/L	MW-4D	11/13/2019		82.9000	*	79.9845
Chloride	mg/L	MW-4D	05/06/2020		76.5000		79.9845
Chloride	mg/L	MW-4D	11/10/2020		92.8000	*	79.9845
Chloride	mg/L	MW-4D	05/12/2021		90.7000	*	79.9845
Chloride	mg/L	MW-4D	11/17/2021		84.3000	*	79.9845
Chloride	mg/L	MW-4D	05/10/2022		83.4000	*	79.9845
Chloride	mg/L	MW-4D	11/21/2022		87.9000	*	79.9845
Chloride	mg/L	MW-4D	04/25/2023		108.0000	*	79.9845
Chloride	mg/L	MW-4D	10/06/2023		117.0000	*	79.9845
Chloride	mg/L	MW-4D	04/09/2024		144.0000	*	79.9845
Chloride	mg/L	MW-4D	10/03/2024		209.0000	*	79.9845

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-4D	04/14/2025		126.0000	*	79.9845
Chloride	mg/L	MW-6D	04/20/2016		243.0000	*	79.9845
Chloride	mg/L	MW-6D	06/01/2016		239.0000	*	79.9845
Chloride	mg/L	MW-6D	08/11/2016		262.0000	*	79.9845
Chloride	mg/L	MW-6D	09/29/2016		274.0000	*	79.9845
Chloride	mg/L	MW-6D	12/01/2016		267.0000	*	79.9845
Chloride	mg/L	MW-6D	01/30/2017		263.0000	*	79.9845
Chloride	mg/L	MW-6D	05/25/2017		222.0000	*	79.9845
Chloride	mg/L	MW-6D	08/10/2017		206.0000	*	79.9845
Chloride	mg/L	MW-6D	09/27/2017		188.0000	*	79.9845
Chloride	mg/L	MW-6D	05/22/2018		163.0000	*	79.9845
Chloride	mg/L	MW-6D	09/10/2018		155.0000	*	79.9845
Chloride	mg/L	MW-6D	05/08/2019		156.0000	*	79.9845
Chloride	mg/L	MW-6D	11/14/2019		141.0000	*	79.9845
Chloride	mg/L	MW-6D	05/08/2020		139.0000	*	79.9845
Chloride	mg/L	MW-6D	11/10/2020		110.0000	*	79.9845
Chloride	mg/L	MW-6D	05/18/2021		93.3000	*	79.9845
Chloride	mg/L	MW-6D	11/09/2021		902.0000	*	79.9845
Chloride	mg/L	MW-6D	05/11/2022		99.3000	*	79.9845
Chloride	mg/L	MW-6D	11/15/2022		101.0000	*	79.9845
Chloride	mg/L	MW-6D	05/01/2023		81.8000	*	79.9845
Chloride	mg/L	MW-6D	10/10/2023		81.7000	*	79.9845
Chloride	mg/L	MW-6D	04/04/2024		90.5000	*	79.9845
Chloride	mg/L	MW-6D	10/02/2024		93.5000	*	79.9845
Chloride	mg/L	MW-6D	04/10/2025		101.0000	*	79.9845
Chloride	mg/L	MW-9D	04/21/2016		81.5000	*	79.9845
Chloride	mg/L	MW-9D	05/31/2016		79.7000		79.9845
Chloride	mg/L	MW-9D	08/11/2016		79.8000		79.9845
Chloride	mg/L	MW-9D	09/29/2016		90.0000	*	79.9845
Chloride	mg/L	MW-9D	11/30/2016		79.1000		79.9845

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	MW-9D	01/30/2017		83.9000	*	79.9845
Chloride	mg/L	MW-9D	05/24/2017		90.5000	*	79.9845
Chloride	mg/L	MW-9D	08/10/2017		74.7000		79.9845
Chloride	mg/L	MW-9D	09/26/2017		75.0000		79.9845
Chloride	mg/L	MW-9D	05/21/2018		69.3000		79.9845
Chloride	mg/L	MW-9D	09/12/2018		61.7000		79.9845
Chloride	mg/L	MW-9D	05/07/2019		40.5000		79.9845
Chloride	mg/L	MW-9D	11/13/2019		42.0000		79.9845
Chloride	mg/L	MW-9D	05/06/2020		43.4000		79.9845
Chloride	mg/L	MW-9D	11/10/2020		44.9000		79.9845
Chloride	mg/L	MW-9D	05/13/2021		49.8000		79.9845
Chloride	mg/L	MW-9D	11/12/2021		40.3000		79.9845
Chloride	mg/L	MW-9D	05/09/2022		76.9000		79.9845
Chloride	mg/L	MW-9D	11/15/2022		45.0000		79.9845
Chloride	mg/L	MW-9D	05/08/2023		212.0000	*	79.9845
Chloride	mg/L	MW-9D	10/09/2023		92.8000	*	79.9845
Chloride	mg/L	MW-9D	04/04/2024		57.0000		79.9845
Chloride	mg/L	MW-9D	10/09/2024		99.4000	*	79.9845
Chloride	mg/L	MW-9D	04/01/2025		61.5000		79.9845
Fluoride	mg/L	MW-10D	08/09/2019		0.1100		0.1200
Fluoride	mg/L	MW-10D	11/12/2021		0.2600	*	0.1200
Fluoride	mg/L	MW-10D	05/18/2022		0.2000	*	0.1200
Fluoride	mg/L	MW-10D	11/28/2022		0.1900	*	0.1200
Fluoride	mg/L	MW-10D	05/04/2023		0.1900	*	0.1200
Fluoride	mg/L	MW-10D	10/10/2023		0.1400	*	0.1200
Fluoride	mg/L	MW-10D	04/03/2024		0.1400	*	0.1200
Fluoride	mg/L	MW-10D	10/09/2024		0.1500	*	0.1200
Fluoride	mg/L	MW-10D	04/08/2025		0.1800	*	0.1200
Fluoride	mg/L	MW-11D	04/20/2016		0.2600	*	0.1200
Fluoride	mg/L	MW-11D	06/02/2016		0.2300	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11D	08/12/2016		0.2100	*	0.1200
Fluoride	mg/L	MW-11D	09/30/2016		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	12/01/2016		0.2200	*	0.1200
Fluoride	mg/L	MW-11D	01/31/2017		0.2400	*	0.1200
Fluoride	mg/L	MW-11D	05/25/2017		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	08/10/2017		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	09/28/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-11D	05/22/2018		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	09/12/2018		0.1700	*	0.1200
Fluoride	mg/L	MW-11D	05/08/2019		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	11/14/2019		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	05/07/2020		0.2400	*	0.1200
Fluoride	mg/L	MW-11D	11/12/2020		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	05/17/2021		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	11/17/2021		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	05/12/2022		0.3000	*	0.1200
Fluoride	mg/L	MW-11D	11/29/2022		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	05/03/2023		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	10/09/2023		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	04/09/2024		0.3400	*	0.1200
Fluoride	mg/L	MW-11D	10/15/2024		0.3100	*	0.1200
Fluoride	mg/L	MW-11D	04/18/2025		0.2700	*	0.1200
Fluoride	mg/L	MW-12D	03/29/2023		0.2700	*	0.1200
Fluoride	mg/L	MW-12D	04/27/2023		0.2500	*	0.1200
Fluoride	mg/L	MW-12D	07/06/2023		0.2500	*	0.1200
Fluoride	mg/L	MW-12D	10/17/2023		0.2700	*	0.1200
Fluoride	mg/L	MW-12D	04/16/2024		0.2500	*	0.1200
Fluoride	mg/L	MW-12D	10/01/2024		0.2100	*	0.1200
Fluoride	mg/L	MW-12D	04/17/2025		0.2300	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2016		0.4400	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1D	06/02/2016		0.4400	*	0.1200
Fluoride	mg/L	MW-1D	08/10/2016		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	09/30/2016		0.4600	*	0.1200
Fluoride	mg/L	MW-1D	12/02/2016		0.4600	*	0.1200
Fluoride	mg/L	MW-1D	01/31/2017		0.4100	*	0.1200
Fluoride	mg/L	MW-1D	05/26/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	08/11/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	09/28/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	05/23/2018		0.3600	*	0.1200
Fluoride	mg/L	MW-1D	09/11/2018		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	05/08/2019		0.3500	*	0.1200
Fluoride	mg/L	MW-1D	11/14/2019		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/05/2020		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	11/11/2020		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/25/2021		0.3100	*	0.1200
Fluoride	mg/L	MW-1D	11/09/2021		0.3000	*	0.1200
Fluoride	mg/L	MW-1D	05/10/2022		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	11/22/2022		0.3800	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2023		0.3400	*	0.1200
Fluoride	mg/L	MW-1D	10/11/2023		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	04/09/2024		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	10/15/2024		0.3800	*	0.1200
Fluoride	mg/L	MW-1D	04/22/2025		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	04/19/2016		0.4200	*	0.1200
Fluoride	mg/L	MW-2D	06/02/2016		0.4100	*	0.1200
Fluoride	mg/L	MW-2D	08/11/2016		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/30/2016		0.3900	*	0.1200
Fluoride	mg/L	MW-2D	12/02/2016		0.4100	*	0.1200
Fluoride	mg/L	MW-2D	01/31/2017		0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/26/2017		0.3800	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-2D	08/11/2017		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/27/2017		0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/22/2018		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	09/11/2018		0.2900	*	0.1200
Fluoride	mg/L	MW-2D	05/09/2019		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	11/13/2019		0.3300	*	0.1200
Fluoride	mg/L	MW-2D	05/05/2020		0.3500	*	0.1200
Fluoride	mg/L	MW-2D	11/11/2020		0.3400	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2021		0.1900	*	0.1200
Fluoride	mg/L	MW-2D	11/10/2021		0.2700	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2022		0.2900	*	0.1200
Fluoride	mg/L	MW-2D	11/15/2022		0.2800	*	0.1200
Fluoride	mg/L	MW-2D	04/18/2023		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	10/10/2023		0.3100	*	0.1200
Fluoride	mg/L	MW-2D	04/05/2024		0.3400	*	0.1200
Fluoride	mg/L	MW-2D	10/07/2024		0.2900	*	0.1200
Fluoride	mg/L	MW-2D	04/14/2025		0.3200	*	0.1200
Fluoride	mg/L	MW-3D	04/17/2023		0.2600	*	0.1200
Fluoride	mg/L	MW-3D	07/06/2023		0.2300	*	0.1200
Fluoride	mg/L	MW-3D	10/10/2023		0.2100	*	0.1200
Fluoride	mg/L	MW-3D	04/04/2024		0.2000	*	0.1200
Fluoride	mg/L	MW-3D	10/07/2024		0.1800	*	0.1200
Fluoride	mg/L	MW-3D	04/18/2025		0.2200	*	0.1200
Fluoride	mg/L	MW-4D	04/20/2016		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	06/01/2016		0.1900	*	0.1200
Fluoride	mg/L	MW-4D	08/11/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-4D	09/29/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-4D	12/01/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-4D	01/31/2017		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	05/25/2017		0.2100	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-4D	08/10/2017		0.2200	*	0.1200
Fluoride	mg/L	MW-4D	09/28/2017		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	05/21/2018		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	09/11/2018		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	05/07/2019		0.2800	*	0.1200
Fluoride	mg/L	MW-4D	11/13/2019		0.3000	*	0.1200
Fluoride	mg/L	MW-4D	05/06/2020		0.3400	*	0.1200
Fluoride	mg/L	MW-4D	11/10/2020		0.3100	*	0.1200
Fluoride	mg/L	MW-4D	05/12/2021		0.3100	*	0.1200
Fluoride	mg/L	MW-4D	11/17/2021		0.3000	*	0.1200
Fluoride	mg/L	MW-4D	05/10/2022		0.2900	*	0.1200
Fluoride	mg/L	MW-4D	11/21/2022		0.3800	*	0.1200
Fluoride	mg/L	MW-4D	04/25/2023		0.3000	*	0.1200
Fluoride	mg/L	MW-4D	10/06/2023		0.2700	*	0.1200
Fluoride	mg/L	MW-4D	04/09/2024		0.3300	*	0.1200
Fluoride	mg/L	MW-4D	10/03/2024		0.2800	*	0.1200
Fluoride	mg/L	MW-4D	04/14/2025		0.2600	*	0.1200
Fluoride	mg/L	MW-6D	04/20/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	06/01/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/11/2016		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	09/29/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	12/01/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	01/30/2017		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/25/2017		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/10/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-6D	09/27/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-6D	05/22/2018		0.1200		0.1200
Fluoride	mg/L	MW-6D	09/10/2018		0.1200		0.1200
Fluoride	mg/L	MW-6D	05/08/2019		0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/14/2019		0.1400	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-6D	05/08/2020		0.1300	*	0.1200
Fluoride	mg/L	MW-6D	11/10/2020		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	05/18/2021		0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/09/2021		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/11/2022		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	11/15/2022		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/01/2023		0.2200	*	0.1200
Fluoride	mg/L	MW-6D	10/10/2023		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	04/04/2024		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	10/02/2024		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	04/10/2025		0.1600	*	0.1200
Sulfate	mg/L	MW-10D	08/09/2019		46.5000		72.4835
Sulfate	mg/L	MW-10D	11/12/2021		298.0000	*	72.4835
Sulfate	mg/L	MW-10D	05/18/2022		89.9000	*	72.4835
Sulfate	mg/L	MW-10D	11/28/2022		81.4000	*	72.4835
Sulfate	mg/L	MW-10D	05/04/2023		100.0000	*	72.4835
Sulfate	mg/L	MW-10D	10/10/2023		351.0000	*	72.4835
Sulfate	mg/L	MW-10D	04/03/2024		257.0000	*	72.4835
Sulfate	mg/L	MW-10D	10/09/2024		394.0000	*	72.4835
Sulfate	mg/L	MW-10D	04/08/2025		73.1000	*	72.4835
Sulfate	mg/L	MW-11D	04/20/2016		215.0000	*	72.4835
Sulfate	mg/L	MW-11D	06/02/2016		207.0000	*	72.4835
Sulfate	mg/L	MW-11D	08/12/2016		239.0000	*	72.4835
Sulfate	mg/L	MW-11D	09/30/2016		292.0000	*	72.4835
Sulfate	mg/L	MW-11D	12/01/2016		266.0000	*	72.4835
Sulfate	mg/L	MW-11D	01/31/2017		258.0000	*	72.4835
Sulfate	mg/L	MW-11D	05/25/2017		246.0000	*	72.4835
Sulfate	mg/L	MW-11D	08/10/2017		258.0000	*	72.4835
Sulfate	mg/L	MW-11D	09/28/2017		197.0000	*	72.4835
Sulfate	mg/L	MW-11D	05/22/2018		238.0000	*	72.4835

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-11D	09/12/2018		234.0000	*	72.4835
Sulfate	mg/L	MW-11D	05/08/2019		235.0000	*	72.4835
Sulfate	mg/L	MW-11D	11/14/2019		245.0000	*	72.4835
Sulfate	mg/L	MW-11D	05/07/2020		207.0000	*	72.4835
Sulfate	mg/L	MW-11D	11/12/2020		129.0000	*	72.4835
Sulfate	mg/L	MW-11D	05/17/2021		122.0000	*	72.4835
Sulfate	mg/L	MW-11D	11/17/2021		106.0000	*	72.4835
Sulfate	mg/L	MW-11D	05/12/2022		117.0000	*	72.4835
Sulfate	mg/L	MW-11D	11/29/2022		98.7000	*	72.4835
Sulfate	mg/L	MW-11D	05/03/2023		75.4000	*	72.4835
Sulfate	mg/L	MW-11D	10/09/2023		75.5000	*	72.4835
Sulfate	mg/L	MW-11D	04/09/2024		86.1000	*	72.4835
Sulfate	mg/L	MW-11D	10/15/2024		78.0000	*	72.4835
Sulfate	mg/L	MW-11D	04/18/2025		85.9000	*	72.4835
Sulfate	mg/L	MW-12D	03/29/2023		89.6000	*	72.4835
Sulfate	mg/L	MW-12D	04/27/2023		83.9000	*	72.4835
Sulfate	mg/L	MW-12D	07/06/2023		83.1000	*	72.4835
Sulfate	mg/L	MW-12D	10/17/2023		74.2000	*	72.4835
Sulfate	mg/L	MW-12D	04/16/2024		77.8000	*	72.4835
Sulfate	mg/L	MW-12D	10/01/2024		86.3000	*	72.4835
Sulfate	mg/L	MW-12D	04/17/2025		90.8000	*	72.4835
Sulfate	mg/L	MW-1D	04/19/2016		195.0000	*	72.4835
Sulfate	mg/L	MW-1D	06/02/2016		188.0000	*	72.4835
Sulfate	mg/L	MW-1D	08/10/2016		175.0000	*	72.4835
Sulfate	mg/L	MW-1D	09/30/2016		171.0000	*	72.4835
Sulfate	mg/L	MW-1D	12/02/2016		170.0000	*	72.4835
Sulfate	mg/L	MW-1D	01/31/2017		176.0000	*	72.4835
Sulfate	mg/L	MW-1D	05/26/2017		166.0000	*	72.4835
Sulfate	mg/L	MW-1D	08/11/2017		184.0000	*	72.4835
Sulfate	mg/L	MW-1D	09/28/2017		184.0000	*	72.4835

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-1D	05/23/2018		201.0000	*	72.4835
Sulfate	mg/L	MW-1D	09/11/2018		171.0000	*	72.4835
Sulfate	mg/L	MW-1D	05/08/2019		144.0000	*	72.4835
Sulfate	mg/L	MW-1D	11/14/2019		127.0000	*	72.4835
Sulfate	mg/L	MW-1D	05/05/2020		101.0000	*	72.4835
Sulfate	mg/L	MW-1D	11/11/2020		93.6000	*	72.4835
Sulfate	mg/L	MW-1D	05/25/2021		83.4000	*	72.4835
Sulfate	mg/L	MW-1D	11/09/2021		102.0000	*	72.4835
Sulfate	mg/L	MW-1D	05/10/2022		88.0000	*	72.4835
Sulfate	mg/L	MW-1D	11/22/2022		79.5000	*	72.4835
Sulfate	mg/L	MW-1D	04/19/2023		87.0000	*	72.4835
Sulfate	mg/L	MW-1D	10/11/2023		70.8000		72.4835
Sulfate	mg/L	MW-1D	04/09/2024		85.3000	*	72.4835
Sulfate	mg/L	MW-1D	10/15/2024		77.7000	*	72.4835
Sulfate	mg/L	MW-1D	04/22/2025		68.2000		72.4835
Sulfate	mg/L	MW-26D	03/27/2023		38.0000		72.4835
Sulfate	mg/L	MW-26D	05/04/2023		43.9000		72.4835
Sulfate	mg/L	MW-26D	07/05/2023		43.9000		72.4835
Sulfate	mg/L	MW-26D	10/16/2023		46.1000		72.4835
Sulfate	mg/L	MW-26D	04/03/2024		72.3000		72.4835
Sulfate	mg/L	MW-26D	10/02/2024		87.8000	*	72.4835
Sulfate	mg/L	MW-26D	04/03/2025		67.1000		72.4835
Sulfate	mg/L	MW-4D	04/20/2016		118.0000	*	72.4835
Sulfate	mg/L	MW-4D	06/01/2016		95.8000	*	72.4835
Sulfate	mg/L	MW-4D	08/11/2016		98.5000	*	72.4835
Sulfate	mg/L	MW-4D	09/29/2016		97.4000	*	72.4835
Sulfate	mg/L	MW-4D	12/01/2016		94.0000	*	72.4835
Sulfate	mg/L	MW-4D	01/31/2017		90.8000	*	72.4835
Sulfate	mg/L	MW-4D	05/25/2017		74.7000	*	72.4835
Sulfate	mg/L	MW-4D	08/10/2017		91.5000	*	72.4835

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-4D	09/28/2017		51.6000		72.4835
Sulfate	mg/L	MW-4D	05/21/2018		81.9000	*	72.4835
Sulfate	mg/L	MW-4D	09/11/2018		76.9000	*	72.4835
Sulfate	mg/L	MW-4D	05/07/2019		75.9000	*	72.4835
Sulfate	mg/L	MW-4D	11/13/2019		72.3000		72.4835
Sulfate	mg/L	MW-4D	05/06/2020		57.0000		72.4835
Sulfate	mg/L	MW-4D	11/10/2020		74.4000	*	72.4835
Sulfate	mg/L	MW-4D	05/12/2021		78.0000	*	72.4835
Sulfate	mg/L	MW-4D	11/17/2021		70.0000		72.4835
Sulfate	mg/L	MW-4D	05/10/2022		65.1000		72.4835
Sulfate	mg/L	MW-4D	11/21/2022		74.3000	*	72.4835
Sulfate	mg/L	MW-4D	04/25/2023		80.7000	*	72.4835
Sulfate	mg/L	MW-4D	10/06/2023		61.5000		72.4835
Sulfate	mg/L	MW-4D	04/09/2024		101.0000	*	72.4835
Sulfate	mg/L	MW-4D	10/03/2024		52.0000		72.4835
Sulfate	mg/L	MW-4D	04/14/2025		75.3000	*	72.4835
Sulfate	mg/L	MW-6D	04/20/2016		334.0000	*	72.4835
Sulfate	mg/L	MW-6D	06/01/2016		238.0000	*	72.4835
Sulfate	mg/L	MW-6D	08/11/2016		232.0000	*	72.4835
Sulfate	mg/L	MW-6D	09/29/2016		292.0000	*	72.4835
Sulfate	mg/L	MW-6D	12/01/2016		260.0000	*	72.4835
Sulfate	mg/L	MW-6D	01/30/2017		285.0000	*	72.4835
Sulfate	mg/L	MW-6D	05/25/2017		276.0000	*	72.4835
Sulfate	mg/L	MW-6D	08/10/2017		279.0000	*	72.4835
Sulfate	mg/L	MW-6D	09/27/2017		215.0000	*	72.4835
Sulfate	mg/L	MW-6D	05/22/2018		208.0000	*	72.4835
Sulfate	mg/L	MW-6D	09/10/2018		216.0000	*	72.4835
Sulfate	mg/L	MW-6D	05/08/2019		222.0000	*	72.4835
Sulfate	mg/L	MW-6D	11/14/2019		229.0000	*	72.4835
Sulfate	mg/L	MW-6D	05/08/2020		212.0000	*	72.4835

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-6D	11/10/2020		130.0000	*	72.4835
Sulfate	mg/L	MW-6D	05/18/2021		108.0000	*	72.4835
Sulfate	mg/L	MW-6D	11/09/2021		924.0000	*	72.4835
Sulfate	mg/L	MW-6D	05/11/2022		95.8000	*	72.4835
Sulfate	mg/L	MW-6D	11/15/2022		90.8000	*	72.4835
Sulfate	mg/L	MW-6D	05/01/2023		81.0000	*	72.4835
Sulfate	mg/L	MW-6D	10/10/2023		76.1000	*	72.4835
Sulfate	mg/L	MW-6D	04/04/2024		82.5000	*	72.4835
Sulfate	mg/L	MW-6D	10/02/2024		85.6000	*	72.4835
Sulfate	mg/L	MW-6D	04/10/2025		90.8000	*	72.4835
Sulfate	mg/L	MW-9D	04/21/2016		73.0000	*	72.4835
Sulfate	mg/L	MW-9D	05/31/2016		45.3000		72.4835
Sulfate	mg/L	MW-9D	08/11/2016		58.8000		72.4835
Sulfate	mg/L	MW-9D	09/29/2016	ND	5.0000		72.4835
Sulfate	mg/L	MW-9D	11/30/2016		84.0000	*	72.4835
Sulfate	mg/L	MW-9D	01/30/2017		80.7000	*	72.4835
Sulfate	mg/L	MW-9D	05/24/2017		68.5000		72.4835
Sulfate	mg/L	MW-9D	08/10/2017		71.7000		72.4835
Sulfate	mg/L	MW-9D	09/26/2017		67.0000		72.4835
Sulfate	mg/L	MW-9D	05/21/2018		63.3000		72.4835
Sulfate	mg/L	MW-9D	09/12/2018		51.8000		72.4835
Sulfate	mg/L	MW-9D	05/07/2019		39.6000		72.4835
Sulfate	mg/L	MW-9D	11/13/2019		35.1000		72.4835
Sulfate	mg/L	MW-9D	05/06/2020		36.8000		72.4835
Sulfate	mg/L	MW-9D	11/10/2020		38.6000		72.4835
Sulfate	mg/L	MW-9D	05/13/2021		37.8000		72.4835
Sulfate	mg/L	MW-9D	11/12/2021		34.5000		72.4835
Sulfate	mg/L	MW-9D	05/09/2022		83.0000	*	72.4835
Sulfate	mg/L	MW-9D	11/15/2022		41.3000		72.4835
Sulfate	mg/L	MW-9D	05/08/2023		497.0000	*	72.4835

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	MW-9D	10/09/2023		86.5000	*	72.4835
Sulfate	mg/L	MW-9D	04/04/2024		52.6000		72.4835
Sulfate	mg/L	MW-9D	10/09/2024		74.5000	*	72.4835
Sulfate	mg/L	MW-9D	04/01/2025		48.9000		72.4835
Total Dissolved Solids	mg/L	MW-10D	08/09/2019		450.0000		484.7691
Total Dissolved Solids	mg/L	MW-10D	11/12/2021		856.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-10D	05/18/2022		545.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-10D	11/28/2022		462.0000		484.7691
Total Dissolved Solids	mg/L	MW-10D	05/04/2023		524.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-10D	10/10/2023		996.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-10D	04/03/2024		794.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-10D	10/09/2024		1050.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-10D	04/08/2025		551.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	04/20/2016		715.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	06/02/2016		732.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	08/12/2016		702.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	09/30/2016		734.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	12/01/2016		703.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	01/31/2017		708.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	05/25/2017		758.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	08/10/2017		766.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	09/28/2017		740.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	05/22/2018		758.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	09/12/2018		789.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	05/08/2019		738.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	11/14/2019		789.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	05/07/2020		678.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	11/12/2020		564.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	05/17/2021		546.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	11/17/2021		528.0000	*	484.7691

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-11D	05/12/2022		534.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	11/29/2022		498.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-11D	05/03/2023		450.0000		484.7691
Total Dissolved Solids	mg/L	MW-11D	10/09/2023		468.0000		484.7691
Total Dissolved Solids	mg/L	MW-11D	04/09/2024		440.0000		484.7691
Total Dissolved Solids	mg/L	MW-11D	10/15/2024		461.0000		484.7691
Total Dissolved Solids	mg/L	MW-11D	04/18/2025		501.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-12D	03/29/2023		467.0000		484.7691
Total Dissolved Solids	mg/L	MW-12D	04/27/2023		502.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-12D	07/06/2023		491.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-12D	10/17/2023		469.0000		484.7691
Total Dissolved Solids	mg/L	MW-12D	04/16/2024		466.0000		484.7691
Total Dissolved Solids	mg/L	MW-12D	10/01/2024		474.0000		484.7691
Total Dissolved Solids	mg/L	MW-12D	04/17/2025		498.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	04/19/2016		408.0000		484.7691
Total Dissolved Solids	mg/L	MW-1D	06/02/2016		654.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	08/10/2016		612.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	09/30/2016		575.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	12/02/2016		579.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	01/31/2017		573.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	05/26/2017		604.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	08/11/2017		629.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	09/28/2017		668.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	05/23/2018		769.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	09/11/2018		638.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	05/08/2019		596.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	11/14/2019		632.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	05/05/2020		517.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	11/11/2020		499.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	05/25/2021		500.0000	*	484.7691

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-1D	11/09/2021		485.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	05/10/2022		477.0000		484.7691
Total Dissolved Solids	mg/L	MW-1D	11/22/2022		469.0000		484.7691
Total Dissolved Solids	mg/L	MW-1D	04/19/2023		480.0000		484.7691
Total Dissolved Solids	mg/L	MW-1D	10/11/2023		463.0000		484.7691
Total Dissolved Solids	mg/L	MW-1D	04/09/2024		463.0000		484.7691
Total Dissolved Solids	mg/L	MW-1D	10/15/2024		497.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-1D	04/22/2025		447.0000		484.7691
Total Dissolved Solids	mg/L	MW-26D	03/27/2023		486.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-26D	05/04/2023		454.0000		484.7691
Total Dissolved Solids	mg/L	MW-26D	07/05/2023		500.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-26D	10/16/2023		521.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-26D	04/03/2024		543.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-26D	10/02/2024		514.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-26D	04/03/2025		543.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	04/20/2016		487.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	06/01/2016		478.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	08/11/2016		504.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	09/29/2016		480.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	12/01/2016		469.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	01/31/2017		450.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	05/25/2017		471.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	08/10/2017		495.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	09/28/2017		499.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	05/21/2018		531.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	09/11/2018		471.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	05/07/2019		472.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	11/13/2019		428.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	05/06/2020		400.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	11/10/2020		438.0000		484.7691

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-4D	05/12/2021		468.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	11/17/2021		432.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	05/10/2022		451.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	11/21/2022		454.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	04/25/2023		476.0000		484.7691
Total Dissolved Solids	mg/L	MW-4D	10/06/2023		504.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	04/09/2024		545.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	10/03/2024		561.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-4D	04/14/2025		579.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	04/20/2016		949.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	06/01/2016		906.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	08/11/2016		994.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	09/29/2016		1020.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	12/01/2016		855.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	01/30/2017		954.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	05/25/2017		915.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	08/10/2017		898.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	09/27/2017		870.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	05/22/2018		781.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	09/10/2018		772.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	05/08/2019		795.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	11/14/2019		805.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	05/08/2020		734.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	11/10/2020		552.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	05/18/2021		529.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	11/09/2021		467.0000		484.7691
Total Dissolved Solids	mg/L	MW-6D	05/11/2022		514.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-6D	11/15/2022		462.0000		484.7691
Total Dissolved Solids	mg/L	MW-6D	05/01/2023		471.0000		484.7691
Total Dissolved Solids	mg/L	MW-6D	10/10/2023		497.0000	*	484.7691

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Total Dissolved Solids	mg/L	MW-6D	04/04/2024		450.0000		484.7691
Total Dissolved Solids	mg/L	MW-6D	10/02/2024		467.0000		484.7691
Total Dissolved Solids	mg/L	MW-6D	04/10/2025		516.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	04/21/2016		463.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	05/31/2016		433.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	08/11/2016		434.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	09/29/2016		445.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	11/30/2016		467.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	01/30/2017		495.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	05/24/2017		487.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	08/10/2017		457.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	09/26/2017		456.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	05/21/2018		462.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	09/12/2018		476.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	05/07/2019		434.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	11/13/2019		420.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	05/06/2020		443.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	11/10/2020		426.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	05/13/2021		485.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	11/12/2021		420.0000		484.7691
Total Dissolved Solids	mg/L	MW-9D	05/09/2022		530.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	11/15/2022		498.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	05/08/2023		1250.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	10/09/2023		583.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	04/04/2024		535.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	10/09/2024		565.0000	*	484.7691
Total Dissolved Solids	mg/L	MW-9D	04/01/2025		529.0000	*	484.7691

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-13D	05/07/2020	ND	6.0000	1.0000	**
Antimony, Total	ug/L	MW-13D	11/12/2020	ND	1.0000		
Antimony, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	11/16/2021	ND	1.0000		
Antimony, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13D	11/18/2022	ND	1.0000		
Antimony, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Antimony, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Antimony, Total	ug/L	MW-13D	04/08/2025	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	05/07/2020	ND	10.0000	1.0000	**
Arsenic, Total	ug/L	MW-13D	11/12/2020		1.3000		
Arsenic, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	11/16/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	11/18/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-13D	04/08/2025	ND	1.0000		
Barium, Total	ug/L	MW-13D	08/08/2019		53.2000		
Barium, Total	ug/L	MW-13D	09/25/2019		47.4000		
Barium, Total	ug/L	MW-13D	05/07/2020		53.1000		
Barium, Total	ug/L	MW-13D	11/12/2020		57.9000		
Barium, Total	ug/L	MW-13D	02/25/2021		57.0000		
Barium, Total	ug/L	MW-13D	03/29/2021		60.9000		
Barium, Total	ug/L	MW-13D	05/20/2021		60.3000		
Barium, Total	ug/L	MW-13D	06/22/2021		59.3000		
Barium, Total	ug/L	MW-13D	07/27/2021		64.5000		
Barium, Total	ug/L	MW-13D	11/16/2021		64.6000		
Barium, Total	ug/L	MW-13D	05/19/2022		62.4000		
Barium, Total	ug/L	MW-13D	11/18/2022		64.5000		
Barium, Total	ug/L	MW-13D	04/17/2023		59.4000		
Barium, Total	ug/L	MW-13D	10/11/2023		57.4000		
Barium, Total	ug/L	MW-13D	04/10/2024		55.1000		
Barium, Total	ug/L	MW-13D	10/04/2024		48.7000		
Barium, Total	ug/L	MW-13D	04/08/2025		54.0000		
Beryllium, Total	ug/L	MW-13D	08/08/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	09/25/2019	ND	0.2000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, Total	ug/L	MW-13D	05/07/2020	ND	4.0000	0.2000	**
Beryllium, Total	ug/L	MW-13D	11/12/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	02/25/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	03/29/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	05/20/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	06/22/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	07/27/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	05/19/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	04/17/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	04/10/2024	ND	0.2000		
Beryllium, Total	ug/L	MW-13D	04/08/2025	ND	0.2000		
Boron, Total	ug/L	MW-13D	08/08/2019	ND	100.0000		
Boron, Total	ug/L	MW-13D	09/25/2019	ND	100.0000		
Boron, Total	ug/L	MW-13D	05/07/2020	ND	100.0000		
Boron, Total	ug/L	MW-13D	11/12/2020	ND	100.0000		
Boron, Total	ug/L	MW-13D	02/25/2021	ND	100.0000		
Boron, Total	ug/L	MW-13D	03/29/2021	ND	100.0000		
Boron, Total	ug/L	MW-13D	05/20/2021	ND	100.0000		
Boron, Total	ug/L	MW-13D	06/22/2021	ND	100.0000		
Boron, Total	ug/L	MW-13D	07/27/2021	ND	100.0000		
Boron, Total	ug/L	MW-13D	11/16/2021	ND	100.0000		
Boron, Total	ug/L	MW-13D	05/19/2022	ND	100.0000		
Boron, Total	ug/L	MW-13D	11/18/2022	ND	100.0000		
Boron, Total	ug/L	MW-13D	04/17/2023	ND	100.0000		
Boron, Total	ug/L	MW-13D	10/11/2023	ND	100.0000		
Boron, Total	ug/L	MW-13D	04/10/2024	ND	100.0000		
Boron, Total	ug/L	MW-13D	10/04/2024	ND	100.0000		
Boron, Total	ug/L	MW-13D	04/08/2025	ND	100.0000		
Cadmium, Total	ug/L	MW-13D	08/08/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	09/25/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	05/07/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	11/12/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	02/25/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	03/29/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	05/20/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	06/22/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	07/27/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	05/19/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	04/17/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	04/10/2024	ND	2.0000		
Cadmium, Total	ug/L	MW-13D	04/08/2025	ND	2.0000		
Chromium, Total	ug/L	MW-13D	08/08/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13D	09/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13D	11/12/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13D	02/25/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	03/29/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	05/20/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	06/22/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	07/27/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13D	05/19/2022	ND	10.0000		
Chromium, Total	ug/L	MW-13D	04/17/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13D	04/10/2024	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, Total	ug/L	MW-13D	04/08/2025	ND	10.0000		
Cobalt, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	05/07/2020	ND	10.0000	1.0000	**
Cobalt, Total	ug/L	MW-13D	11/12/2020		1.2000		
Cobalt, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	11/16/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Cobalt, Total	ug/L	MW-13D	04/08/2025	ND	1.0000		
Fluoride	mg/L	MW-13D	08/08/2019	ND	0.1000		
Fluoride	mg/L	MW-13D	09/25/2019		0.1100		
Fluoride	mg/L	MW-13D	05/07/2020		0.1100		
Fluoride	mg/L	MW-13D	11/12/2020	ND	0.1000		
Fluoride	mg/L	MW-13D	02/25/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	03/29/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	05/20/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	06/22/2021		0.1200		
Fluoride	mg/L	MW-13D	07/27/2021		0.1200		
Fluoride	mg/L	MW-13D	11/16/2021	ND	0.1000		
Fluoride	mg/L	MW-13D	05/19/2022		0.1000		
Fluoride	mg/L	MW-13D	11/18/2022		0.1100		
Fluoride	mg/L	MW-13D	04/17/2023	ND	0.1000		
Fluoride	mg/L	MW-13D	10/11/2023	ND	0.1000		
Fluoride	mg/L	MW-13D	04/10/2024	ND	0.1000		
Fluoride	mg/L	MW-13D	10/04/2024	ND	0.1000		
Fluoride	mg/L	MW-13D	04/08/2025	ND	0.1000		
Lead, Total	ug/L	MW-13D	08/08/2019	ND	10.0000		
Lead, Total	ug/L	MW-13D	09/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-13D	11/12/2020	ND	10.0000		
Lead, Total	ug/L	MW-13D	02/25/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	03/29/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	05/20/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	06/22/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	07/27/2021	ND	10.0000		
Lead, Total	ug/L	MW-13D	05/19/2022	ND	10.0000		
Lead, Total	ug/L	MW-13D	04/17/2023	ND	10.0000		
Lead, Total	ug/L	MW-13D	04/10/2024	ND	10.0000		
Lead, Total	ug/L	MW-13D	10/04/2024	ND	10.0000		
Lead, Total	ug/L	MW-13D	04/08/2025	ND	10.0000		
Lithium, Total	ug/L	MW-13D	08/08/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13D	09/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-13D	05/07/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13D	11/12/2020	ND	20.0000		
Lithium, Total	ug/L	MW-13D	02/25/2021	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lithium, Total	ug/L	MW-13D	03/29/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	05/20/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	06/22/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	07/27/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	11/16/2021	ND	20.0000		
Lithium, Total	ug/L	MW-13D	05/19/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13D	11/18/2022	ND	20.0000		
Lithium, Total	ug/L	MW-13D	04/17/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13D	10/11/2023	ND	20.0000		
Lithium, Total	ug/L	MW-13D	04/10/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13D	10/04/2024	ND	20.0000		
Lithium, Total	ug/L	MW-13D	04/08/2025	ND	20.0000		
Mercury	ug/L	MW-13D	08/08/2019	ND	2.0000		
Mercury	ug/L	MW-13D	09/25/2019	ND	2.0000		
Mercury	ug/L	MW-13D	11/12/2020	ND	2.0000		
Mercury	ug/L	MW-13D	02/25/2021	ND	2.0000		
Mercury	ug/L	MW-13D	03/29/2021	ND	2.0000		
Mercury	ug/L	MW-13D	05/20/2021	ND	2.0000		
Mercury	ug/L	MW-13D	06/22/2021	ND	2.0000		
Mercury	ug/L	MW-13D	07/27/2021	ND	2.0000		
Mercury	ug/L	MW-13D	05/19/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13D	04/17/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13D	04/10/2024	ND	0.2000	2.0000	**
Mercury	ug/L	MW-13D	04/08/2025	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-13D	08/08/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	09/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	11/12/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	02/25/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	03/29/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	05/20/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	06/22/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	07/27/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	11/16/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	05/19/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	11/18/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	04/17/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	10/11/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	04/10/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	10/04/2024	ND	10.0000		
Molybdenum, Total	ug/L	MW-13D	04/08/2025	ND	10.0000		
Selenium, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Selenium, Total	ug/L	MW-13D	05/07/2020	ND	10.0000		*
Selenium, Total	ug/L	MW-13D	11/12/2020		1.2000		
Selenium, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Selenium, Total	ug/L	MW-13D	05/20/2021		1.2000		
Selenium, Total	ug/L	MW-13D	06/22/2021		1.2000		
Selenium, Total	ug/L	MW-13D	07/27/2021		1.3000		
Selenium, Total	ug/L	MW-13D	11/16/2021		1.3000		
Selenium, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Selenium, Total	ug/L	MW-13D	11/18/2022	ND	1.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, Total	ug/L	MW-13D	04/17/2023		1.2000		
Selenium, Total	ug/L	MW-13D	10/11/2023	ND	1.0000		
Selenium, Total	ug/L	MW-13D	04/10/2024		1.2000		
Selenium, Total	ug/L	MW-13D	10/04/2024	ND	1.0000		
Selenium, Total	ug/L	MW-13D	04/08/2025		1.6000		
Thallium, Total	ug/L	MW-13D	08/08/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13D	09/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-13D	05/07/2020	ND	10.0000	1.0000	**
Thallium, Total	ug/L	MW-13D	11/12/2020	ND	1.0000		
Thallium, Total	ug/L	MW-13D	02/25/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	03/29/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	05/20/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	06/22/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	07/27/2021	ND	1.0000		
Thallium, Total	ug/L	MW-13D	05/19/2022	ND	1.0000		
Thallium, Total	ug/L	MW-13D	04/17/2023	ND	1.0000		
Thallium, Total	ug/L	MW-13D	04/10/2024	ND	1.0000		
Thallium, Total	ug/L	MW-13D	04/08/2025	ND	1.0000		
Total Radium	pCi/L	MW-13D	08/08/2019	ND	1.5900	1.8900	**
Total Radium	pCi/L	MW-13D	09/25/2019		0.9060		
Total Radium	pCi/L	MW-13D	11/12/2020		1.1000		
Total Radium	pCi/L	MW-13D	02/25/2021		0.5860		
Total Radium	pCi/L	MW-13D	03/29/2021	ND	1.6600	1.8900	**
Total Radium	pCi/L	MW-13D	05/20/2021	ND	2.1400	1.8900	**
Total Radium	pCi/L	MW-13D	06/22/2021	ND	1.5900	1.8900	**
Total Radium	pCi/L	MW-13D	07/27/2021		0.7950		
Total Radium	pCi/L	MW-13D	11/16/2021		0.5500		
Total Radium	pCi/L	MW-13D	05/19/2022		0.9330		
Total Radium	pCi/L	MW-13D	11/18/2022		0.6980		
Total Radium	pCi/L	MW-13D	04/17/2023		1.9500		
Total Radium	pCi/L	MW-13D	10/11/2023		1.4100		
Total Radium	pCi/L	MW-13D	04/10/2024	ND	2.7800	1.8900	**
Total Radium	pCi/L	MW-13D	10/04/2024	ND	1.9800	1.8900	**
Total Radium	pCi/L	MW-13D	04/08/2025	ND	1.8900		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10D	04/08/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-11D	04/18/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-12D	04/17/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1D	04/22/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-26D	04/03/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2D	04/14/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-3D	04/18/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-4D	04/14/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6D	04/10/2025	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9D	04/01/2025	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-10D	04/08/2025	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-11D	04/18/2025		4.7000	***	1.3000
Arsenic, Total	ug/L	MW-12D	04/17/2025		3.0000	***	1.3000
Arsenic, Total	ug/L	MW-1D	04/22/2025		1.8000	***	1.3000
Arsenic, Total	ug/L	MW-26D	04/03/2025	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-2D	04/14/2025		4.2000	***	1.3000
Arsenic, Total	ug/L	MW-3D	04/18/2025		4.9000	***	1.3000
Arsenic, Total	ug/L	MW-4D	04/14/2025		5.5000	***	1.3000
Arsenic, Total	ug/L	MW-6D	04/10/2025	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-9D	04/01/2025	ND	1.0000		1.3000
Barium, Total	ug/L	MW-10D	04/08/2025		63.9000	**	71.4673
Barium, Total	ug/L	MW-11D	04/18/2025		69.6000		71.4673
Barium, Total	ug/L	MW-12D	04/17/2025		64.0000		71.4673
Barium, Total	ug/L	MW-1D	04/22/2025		59.3000		71.4673
Barium, Total	ug/L	MW-26D	04/03/2025		117.0000	***	71.4673
Barium, Total	ug/L	MW-2D	04/14/2025		77.8000	*	71.4673
Barium, Total	ug/L	MW-3D	04/18/2025		94.4000	***	71.4673
Barium, Total	ug/L	MW-4D	04/14/2025		77.4000	***	71.4673
Barium, Total	ug/L	MW-6D	04/10/2025		69.2000		71.4673
Barium, Total	ug/L	MW-9D	04/01/2025		132.0000	***	71.4673
Beryllium, Total	ug/L	MW-10D	04/08/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11D	04/18/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12D	04/17/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1D	04/22/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-26D	04/03/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2D	04/14/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-3D	04/18/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-4D	04/14/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6D	04/10/2025	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9D	04/01/2025	ND	0.2000		0.2000
Boron, Total	ug/L	MW-10D	04/08/2025		343.0000	***	100.0000
Boron, Total	ug/L	MW-11D	04/18/2025		510.0000	***	100.0000
Boron, Total	ug/L	MW-12D	04/17/2025		919.0000	***	100.0000
Boron, Total	ug/L	MW-1D	04/22/2025		224.0000	***	100.0000
Boron, Total	ug/L	MW-26D	04/03/2025	ND	100.0000		100.0000
Boron, Total	ug/L	MW-2D	04/14/2025		122.0000	***	100.0000
Boron, Total	ug/L	MW-3D	04/18/2025	ND	100.0000	**	100.0000
Boron, Total	ug/L	MW-4D	04/14/2025		145.0000	***	100.0000
Boron, Total	ug/L	MW-6D	04/10/2025		1090.0000	***	100.0000
Boron, Total	ug/L	MW-9D	04/01/2025	ND	100.0000		100.0000
Cadmium, Total	ug/L	MW-10D	04/08/2025	ND	2.0000		2.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Cadmium, Total	ug/L	MW-11D	04/18/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12D	04/17/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1D	04/22/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-26D	04/03/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2D	04/14/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-3D	04/18/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-4D	04/14/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6D	04/10/2025	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9D	04/01/2025	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10D	04/08/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11D	04/18/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12D	04/17/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1D	04/22/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-26D	04/03/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2D	04/14/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-3D	04/18/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-4D	04/14/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6D	04/10/2025	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9D	04/01/2025	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10D	04/08/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-11D	04/18/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-12D	04/17/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-1D	04/22/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-26D	04/03/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-2D	04/14/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-3D	04/18/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-4D	04/14/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-6D	04/10/2025	ND	1.0000		1.2000
Cobalt, Total	ug/L	MW-9D	04/01/2025	ND	1.0000		1.2000
Fluoride	mg/L	MW-10D	04/08/2025		0.1800	***	0.1200
Fluoride	mg/L	MW-11D	04/18/2025		0.2700	***	0.1200
Fluoride	mg/L	MW-12D	04/17/2025		0.2300	***	0.1200
Fluoride	mg/L	MW-1D	04/22/2025		0.3800	***	0.1200
Fluoride	mg/L	MW-26D	04/03/2025	ND	0.1000		0.1200
Fluoride	mg/L	MW-2D	04/14/2025		0.3200	***	0.1200
Fluoride	mg/L	MW-3D	04/18/2025		0.2200	***	0.1200
Fluoride	mg/L	MW-4D	04/14/2025		0.2600	***	0.1200
Fluoride	mg/L	MW-6D	04/10/2025		0.1600	***	0.1200
Fluoride	mg/L	MW-9D	04/01/2025	ND	0.1000		0.1200
Lead, Total	ug/L	MW-10D	04/08/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11D	04/18/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12D	04/17/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1D	04/22/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-26D	04/03/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2D	04/14/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-3D	04/18/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-4D	04/14/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6D	04/10/2025	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9D	04/01/2025	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10D	04/08/2025		43.3000	***	20.0000
Lithium, Total	ug/L	MW-11D	04/18/2025		77.6000	***	20.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-12D	04/17/2025		83.1000	***	20.0000
Lithium, Total	ug/L	MW-1D	04/22/2025		77.7000	***	20.0000
Lithium, Total	ug/L	MW-26D	04/03/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2D	04/14/2025	ND	20.0000	**	20.0000
Lithium, Total	ug/L	MW-3D	04/18/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4D	04/14/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-6D	04/10/2025		78.3000	***	20.0000
Lithium, Total	ug/L	MW-9D	04/01/2025	ND	20.0000		20.0000
Mercury	ug/L	MW-10D	04/08/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-11D	04/18/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-12D	04/17/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-1D	04/22/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-26D	04/03/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-2D	04/14/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-3D	04/18/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-4D	04/14/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-6D	04/10/2025	ND	0.2000		2.0000
Mercury	ug/L	MW-9D	04/01/2025	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10D	04/08/2025		83.4000	***	10.0000
Molybdenum, Total	ug/L	MW-11D	04/18/2025		119.0000	***	10.0000
Molybdenum, Total	ug/L	MW-12D	04/17/2025		170.0000	***	10.0000
Molybdenum, Total	ug/L	MW-1D	04/22/2025		86.3000	***	10.0000
Molybdenum, Total	ug/L	MW-26D	04/03/2025		20.8000	***	10.0000
Molybdenum, Total	ug/L	MW-2D	04/14/2025		29.3000	***	10.0000
Molybdenum, Total	ug/L	MW-3D	04/18/2025		11.3000	***	10.0000
Molybdenum, Total	ug/L	MW-4D	04/14/2025	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-6D	04/10/2025		187.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9D	04/01/2025	ND	10.0000		10.0000
Selenium, Total	ug/L	MW-10D	04/08/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-11D	04/18/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-12D	04/17/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-1D	04/22/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-26D	04/03/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-2D	04/14/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-3D	04/18/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-4D	04/14/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-6D	04/10/2025	ND	1.0000		1.6000
Selenium, Total	ug/L	MW-9D	04/01/2025	ND	1.0000		1.6000
Thallium, Total	ug/L	MW-10D	04/08/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11D	04/18/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12D	04/17/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1D	04/22/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-26D	04/03/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2D	04/14/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3D	04/18/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-4D	04/14/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6D	04/10/2025	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9D	04/01/2025	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10D	04/08/2025		0.9980		1.9500
Total Radium	pCi/L	MW-11D	04/18/2025		0.9380		1.9500
Total Radium	pCi/L	MW-12D	04/17/2025	ND	1.6200		1.9500

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Total Radium	pCi/L	MW-1D	04/22/2025		1.0700		1.9500
Total Radium	pCi/L	MW-26D	04/03/2025		1.9700	*	1.9500
Total Radium	pCi/L	MW-2D	04/14/2025		1.7200		1.9500
Total Radium	pCi/L	MW-3D	04/18/2025		1.0400		1.9500
Total Radium	pCi/L	MW-4D	04/14/2025		0.9480		1.9500
Total Radium	pCi/L	MW-6D	04/10/2025		1.0300		1.9500
Total Radium	pCi/L	MW-9D	04/01/2025		1.2500		1.9500

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Antimony, Total	0	17	0.000	1	167	0.006
Arsenic, Total	1	17	0.059	80	167	0.479
Barium, Total	17	17	1.000	167	167	1.000
Beryllium, Total	0	13	0.000	0	115	0.000
Boron, Total	0	17	0.000	160	173	0.925
Cadmium, Total	0	13	0.000	0	115	0.000
Chromium, Total	0	13	0.000	1	113	0.009
Cobalt, Total	1	16	0.063	6	160	0.038
Fluoride	6	17	0.353	161	173	0.931
Lead, Total	0	14	0.000	3	125	0.024
Lithium, Total	0	17	0.000	109	167	0.653
Mercury	0	12	0.000	0	113	0.000
Molybdenum, Total	0	17	0.000	143	167	0.856
Selenium, Total	8	16	0.500	0	167	0.000
Thallium, Total	0	13	0.000	0	115	0.000
Total Radium	9	16	0.563	146	167	0.874

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub
Antimony, Total	0	17	0.000	4.713	4.713				
Arsenic, Total	1	17	0.059	21.983	21.983				
Barium, Total	17	17	1.000	0.142	0.483				
Beryllium, Total	0	13	0.000	3.936	3.936				
Boron, Total	0	17	0.000	4.713	4.713				
Cadmium, Total	0	13	0.000	3.936	3.936				
Chromium, Total	0	13	0.000	3.936	3.936				
Cobalt, Total	1	16	0.063	4.567	4.567				
Fluoride	6	17	0.353	4.766	4.741				
Lead, Total	0	14	0.000	4.155	4.155				
Lithium, Total	0	17	0.000	4.713	4.713				
Mercury	0	12	0.000	3.731	3.731				
Molybdenum, Total	0	17	0.000	4.713	4.713				
Selenium, Total	8	16	0.500	3.212	3.027				
Thallium, Total	0	13	0.000	3.936	3.936				
Total Radium	9	16	0.563	2.993	2.793				

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Crit Value	Dist Form	Model Type
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	normal	normal
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar
2.326	non-norm	nonpar

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type	
Antimony, Total	ug/L	0	17					1.0000	nonpar	***
Arsenic, Total	ug/L	1	17					1.3000	nonpar	
Barium, Total	ug/L	17	17	57.6294	5.2089	0.0100	2.6566	71.4673	normal	
Beryllium, Total	ug/L	0	13					0.2000	nonpar	***
Boron, Total	ug/L	0	17					100.0000	nonpar	***
Cadmium, Total	ug/L	0	13					2.0000	nonpar	***
Chromium, Total	ug/L	0	13					10.0000	nonpar	***
Cobalt, Total	ug/L	1	16					1.2000	nonpar	
Fluoride	mg/L	6	17					0.1200	nonpar	
Lead, Total	ug/L	0	14					10.0000	nonpar	***
Lithium, Total	ug/L	0	17					20.0000	nonpar	***
Mercury	ug/L	0	12					2.0000	nonpar	***
Molybdenum, Total	ug/L	0	17					10.0000	nonpar	***
Selenium, Total	ug/L	8	16					1.6000	nonpar	
Thallium, Total	ug/L	0	13					1.0000	nonpar	***
Total Radium	pCi/L	9	16					1.9500	nonpar	

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 5

Summary Statistics and Prediction Limits

Conf
0.95
0.95
0.92
0.95
0.92
0.92
0.94
0.95
0.93
0.95
0.91
0.95
0.94
0.92
0.94

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N
Selenium, Total	ug/L	MW-13D	05/07/2020	10.0000	< 10.0000	08/08/2019-04/08/2025	17

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 6

Dixon's Test Outliers
1% Significance Level

Critical Value
0.5798

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-11D	04/20/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	06/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	08/12/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	09/30/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	12/01/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	01/31/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	05/25/2017		24.4000	*	1.3000
Arsenic, Total	ug/L	MW-11D	08/10/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-11D	05/22/2018		6.1000	*	1.3000
Arsenic, Total	ug/L	MW-11D	09/12/2018		5.3000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/08/2019		5.1000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/14/2019		5.0000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/07/2020		5.6000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/12/2020		4.6000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/17/2021		5.1000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/17/2021		6.2000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/12/2022		5.2000	*	1.3000
Arsenic, Total	ug/L	MW-11D	11/29/2022		5.0000	*	1.3000
Arsenic, Total	ug/L	MW-11D	05/03/2023		5.4000	*	1.3000
Arsenic, Total	ug/L	MW-11D	10/09/2023		4.9000	*	1.3000
Arsenic, Total	ug/L	MW-11D	04/09/2024		4.4000	*	1.3000
Arsenic, Total	ug/L	MW-11D	10/15/2024		4.4000	*	1.3000
Arsenic, Total	ug/L	MW-11D	04/18/2025		4.7000	*	1.3000
Arsenic, Total	ug/L	MW-12D	03/29/2023		3.1000	*	1.3000
Arsenic, Total	ug/L	MW-12D	04/27/2023		2.7000	*	1.3000
Arsenic, Total	ug/L	MW-12D	07/06/2023		3.1000	*	1.3000
Arsenic, Total	ug/L	MW-12D	10/17/2023		2.9000	*	1.3000
Arsenic, Total	ug/L	MW-12D	04/16/2024		3.0000	*	1.3000
Arsenic, Total	ug/L	MW-12D	10/01/2024		3.3000	*	1.3000
Arsenic, Total	ug/L	MW-12D	04/17/2025		3.0000	*	1.3000
Arsenic, Total	ug/L	MW-1D	04/19/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	06/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	08/10/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	09/30/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	12/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	01/31/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	05/26/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	08/11/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-1D	05/23/2018		1.6000	*	1.3000
Arsenic, Total	ug/L	MW-1D	09/11/2018		1.6000	*	1.3000
Arsenic, Total	ug/L	MW-1D	05/08/2019		1.5000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/14/2019		3.6000	*	1.3000
Arsenic, Total	ug/L	MW-1D	05/05/2020		1.9000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/11/2020		4.2000	*	1.3000
Arsenic, Total	ug/L	MW-1D	05/25/2021		2.3000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/09/2021		2.1000	*	1.3000
Arsenic, Total	ug/L	MW-1D	05/10/2022		3.7000	*	1.3000
Arsenic, Total	ug/L	MW-1D	11/22/2022		2.5000	*	1.3000
Arsenic, Total	ug/L	MW-1D	04/19/2023		1.7000	*	1.3000
Arsenic, Total	ug/L	MW-1D	10/11/2023		2.7000	*	1.3000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-1D	04/09/2024		1.9000	*	1.3000
Arsenic, Total	ug/L	MW-1D	10/15/2024		2.1000	*	1.3000
Arsenic, Total	ug/L	MW-1D	04/22/2025		1.8000	*	1.3000
Arsenic, Total	ug/L	MW-2D	04/19/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	06/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	08/11/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	09/30/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	12/02/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	01/31/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	05/26/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	08/11/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-2D	05/22/2018		3.2000	*	1.3000
Arsenic, Total	ug/L	MW-2D	09/11/2018		3.9000	*	1.3000
Arsenic, Total	ug/L	MW-2D	05/09/2019		3.2000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/13/2019		3.7000	*	1.3000
Arsenic, Total	ug/L	MW-2D	05/05/2020		3.5000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/11/2020		4.0000	*	1.3000
Arsenic, Total	ug/L	MW-2D	05/11/2021		4.5000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/10/2021	ND	1.0000		1.3000
Arsenic, Total	ug/L	MW-2D	05/11/2022		3.7000	*	1.3000
Arsenic, Total	ug/L	MW-2D	11/15/2022		4.1000	*	1.3000
Arsenic, Total	ug/L	MW-2D	04/18/2023		3.8000	*	1.3000
Arsenic, Total	ug/L	MW-2D	10/10/2023		4.7000	*	1.3000
Arsenic, Total	ug/L	MW-2D	04/05/2024		4.6000	*	1.3000
Arsenic, Total	ug/L	MW-2D	10/07/2024		4.2000	*	1.3000
Arsenic, Total	ug/L	MW-2D	04/14/2025		4.2000	*	1.3000
Arsenic, Total	ug/L	MW-3D	04/17/2023		1.4000	*	1.3000
Arsenic, Total	ug/L	MW-3D	07/06/2023		4.8000	*	1.3000
Arsenic, Total	ug/L	MW-3D	10/10/2023		5.9000	*	1.3000
Arsenic, Total	ug/L	MW-3D	04/04/2024		5.4000	*	1.3000
Arsenic, Total	ug/L	MW-3D	10/07/2024		5.4000	*	1.3000
Arsenic, Total	ug/L	MW-3D	04/18/2025		4.9000	*	1.3000
Arsenic, Total	ug/L	MW-4D	04/20/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-4D	06/01/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-4D	08/11/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-4D	09/29/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-4D	12/01/2016	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-4D	01/31/2017		12.6000	*	1.3000
Arsenic, Total	ug/L	MW-4D	05/25/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-4D	08/10/2017	ND	10.0000		1.3000
Arsenic, Total	ug/L	MW-4D	05/21/2018		6.3000	*	1.3000
Arsenic, Total	ug/L	MW-4D	09/11/2018		5.7000	*	1.3000
Arsenic, Total	ug/L	MW-4D	05/07/2019		5.0000	*	1.3000
Arsenic, Total	ug/L	MW-4D	11/13/2019		6.0000	*	1.3000
Arsenic, Total	ug/L	MW-4D	05/06/2020		8.1000	*	1.3000
Arsenic, Total	ug/L	MW-4D	11/10/2020		7.1000	*	1.3000
Arsenic, Total	ug/L	MW-4D	05/12/2021		5.0000	*	1.3000
Arsenic, Total	ug/L	MW-4D	11/17/2021		4.8000	*	1.3000
Arsenic, Total	ug/L	MW-4D	05/10/2022		4.7000	*	1.3000
Arsenic, Total	ug/L	MW-4D	11/21/2022		4.4000	*	1.3000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-4D	04/25/2023		4.8000	*	1.3000
Arsenic, Total	ug/L	MW-4D	10/06/2023		5.0000	*	1.3000
Arsenic, Total	ug/L	MW-4D	04/09/2024		6.1000	*	1.3000
Arsenic, Total	ug/L	MW-4D	10/03/2024		8.8000	*	1.3000
Arsenic, Total	ug/L	MW-4D	04/14/2025		5.5000	*	1.3000
Barium, Total	ug/L	MW-10D	08/09/2019		102.0000	*	71.4673
Barium, Total	ug/L	MW-10D	11/12/2021		92.9000	*	71.4673
Barium, Total	ug/L	MW-10D	05/18/2022		78.7000	*	71.4673
Barium, Total	ug/L	MW-10D	11/28/2022		86.6000	*	71.4673
Barium, Total	ug/L	MW-10D	05/04/2023		82.0000	*	71.4673
Barium, Total	ug/L	MW-10D	10/10/2023		124.0000	*	71.4673
Barium, Total	ug/L	MW-10D	04/03/2024		93.0000	*	71.4673
Barium, Total	ug/L	MW-10D	10/09/2024		73.0000	*	71.4673
Barium, Total	ug/L	MW-10D	04/08/2025		63.9000		71.4673
Barium, Total	ug/L	MW-26D	03/27/2023		111.0000	*	71.4673
Barium, Total	ug/L	MW-26D	05/04/2023		106.0000	*	71.4673
Barium, Total	ug/L	MW-26D	07/05/2023		113.0000	*	71.4673
Barium, Total	ug/L	MW-26D	10/16/2023		113.0000	*	71.4673
Barium, Total	ug/L	MW-26D	04/03/2024		127.0000	*	71.4673
Barium, Total	ug/L	MW-26D	10/02/2024		110.0000	*	71.4673
Barium, Total	ug/L	MW-26D	04/03/2025		117.0000	*	71.4673
Barium, Total	ug/L	MW-2D	04/19/2016		71.7000	*	71.4673
Barium, Total	ug/L	MW-2D	06/02/2016		62.2000		71.4673
Barium, Total	ug/L	MW-2D	08/11/2016		65.6000		71.4673
Barium, Total	ug/L	MW-2D	09/30/2016		60.7000		71.4673
Barium, Total	ug/L	MW-2D	12/02/2016		65.6000		71.4673
Barium, Total	ug/L	MW-2D	01/31/2017		65.2000		71.4673
Barium, Total	ug/L	MW-2D	05/26/2017		62.5000		71.4673
Barium, Total	ug/L	MW-2D	08/11/2017		64.0000		71.4673
Barium, Total	ug/L	MW-2D	05/22/2018		53.2000		71.4673
Barium, Total	ug/L	MW-2D	09/11/2018		40.7000		71.4673
Barium, Total	ug/L	MW-2D	05/09/2019		48.6000		71.4673
Barium, Total	ug/L	MW-2D	11/13/2019		52.1000		71.4673
Barium, Total	ug/L	MW-2D	05/05/2020		56.9000		71.4673
Barium, Total	ug/L	MW-2D	11/11/2020		62.5000		71.4673
Barium, Total	ug/L	MW-2D	05/11/2021		74.2000	*	71.4673
Barium, Total	ug/L	MW-2D	11/10/2021		65.4000		71.4673
Barium, Total	ug/L	MW-2D	05/11/2022		69.7000		71.4673
Barium, Total	ug/L	MW-2D	11/15/2022		74.0000	*	71.4673
Barium, Total	ug/L	MW-2D	04/18/2023		79.0000	*	71.4673
Barium, Total	ug/L	MW-2D	10/10/2023		61.8000		71.4673
Barium, Total	ug/L	MW-2D	04/05/2024		68.9000		71.4673
Barium, Total	ug/L	MW-2D	10/07/2024		70.0000		71.4673
Barium, Total	ug/L	MW-2D	04/14/2025		77.8000	*	71.4673
Barium, Total	ug/L	MW-3D	04/17/2023		87.2000	*	71.4673
Barium, Total	ug/L	MW-3D	07/06/2023		81.8000	*	71.4673
Barium, Total	ug/L	MW-3D	10/10/2023		83.7000	*	71.4673
Barium, Total	ug/L	MW-3D	04/04/2024		93.1000	*	71.4673
Barium, Total	ug/L	MW-3D	10/07/2024		98.2000	*	71.4673
Barium, Total	ug/L	MW-3D	04/18/2025		94.4000	*	71.4673

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Barium, Total	ug/L	MW-4D	04/20/2016		75.5000	*	71.4673
Barium, Total	ug/L	MW-4D	06/01/2016		46.5000		71.4673
Barium, Total	ug/L	MW-4D	08/11/2016		49.4000		71.4673
Barium, Total	ug/L	MW-4D	09/29/2016		45.3000		71.4673
Barium, Total	ug/L	MW-4D	12/01/2016		51.3000		71.4673
Barium, Total	ug/L	MW-4D	01/31/2017		56.6000		71.4673
Barium, Total	ug/L	MW-4D	05/25/2017		55.7000		71.4673
Barium, Total	ug/L	MW-4D	08/10/2017		59.3000		71.4673
Barium, Total	ug/L	MW-4D	05/21/2018		60.1000		71.4673
Barium, Total	ug/L	MW-4D	09/11/2018		49.9000		71.4673
Barium, Total	ug/L	MW-4D	05/07/2019		56.8000		71.4673
Barium, Total	ug/L	MW-4D	11/13/2019		57.8000		71.4673
Barium, Total	ug/L	MW-4D	05/06/2020		62.4000		71.4673
Barium, Total	ug/L	MW-4D	11/10/2020		69.3000		71.4673
Barium, Total	ug/L	MW-4D	05/12/2021		66.5000		71.4673
Barium, Total	ug/L	MW-4D	11/17/2021		65.6000		71.4673
Barium, Total	ug/L	MW-4D	05/10/2022		67.9000		71.4673
Barium, Total	ug/L	MW-4D	11/21/2022		69.6000		71.4673
Barium, Total	ug/L	MW-4D	04/25/2023		66.4000		71.4673
Barium, Total	ug/L	MW-4D	10/06/2023		65.3000		71.4673
Barium, Total	ug/L	MW-4D	04/09/2024		71.3000		71.4673
Barium, Total	ug/L	MW-4D	10/03/2024		89.5000	*	71.4673
Barium, Total	ug/L	MW-4D	04/14/2025		77.4000	*	71.4673
Barium, Total	ug/L	MW-9D	04/21/2016		96.8000	*	71.4673
Barium, Total	ug/L	MW-9D	05/31/2016		86.0000	*	71.4673
Barium, Total	ug/L	MW-9D	08/11/2016		83.6000	*	71.4673
Barium, Total	ug/L	MW-9D	09/29/2016		89.9000	*	71.4673
Barium, Total	ug/L	MW-9D	11/30/2016		99.0000	*	71.4673
Barium, Total	ug/L	MW-9D	01/30/2017		109.0000	*	71.4673
Barium, Total	ug/L	MW-9D	05/24/2017		103.0000	*	71.4673
Barium, Total	ug/L	MW-9D	08/10/2017		95.2000	*	71.4673
Barium, Total	ug/L	MW-9D	05/21/2018		96.4000	*	71.4673
Barium, Total	ug/L	MW-9D	09/12/2018		94.7000	*	71.4673
Barium, Total	ug/L	MW-9D	05/07/2019		111.0000	*	71.4673
Barium, Total	ug/L	MW-9D	11/13/2019		108.0000	*	71.4673
Barium, Total	ug/L	MW-9D	05/06/2020		112.0000	*	71.4673
Barium, Total	ug/L	MW-9D	11/10/2020		105.0000	*	71.4673
Barium, Total	ug/L	MW-9D	05/13/2021		122.0000	*	71.4673
Barium, Total	ug/L	MW-9D	11/12/2021		112.0000	*	71.4673
Barium, Total	ug/L	MW-9D	05/09/2022		118.0000	*	71.4673
Barium, Total	ug/L	MW-9D	11/15/2022		115.0000	*	71.4673
Barium, Total	ug/L	MW-9D	05/08/2023		59.9000		71.4673
Barium, Total	ug/L	MW-9D	10/09/2023		120.0000	*	71.4673
Barium, Total	ug/L	MW-9D	04/04/2024		133.0000	*	71.4673
Barium, Total	ug/L	MW-9D	10/09/2024		122.0000	*	71.4673
Barium, Total	ug/L	MW-9D	04/01/2025		132.0000	*	71.4673
Boron, Total	ug/L	MW-10D	08/09/2019		346.0000	*	100.0000
Boron, Total	ug/L	MW-10D	11/12/2021		416.0000	*	100.0000
Boron, Total	ug/L	MW-10D	05/18/2022		305.0000	*	100.0000
Boron, Total	ug/L	MW-10D	11/28/2022		233.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-10D	05/04/2023		209.0000	*	100.0000
Boron, Total	ug/L	MW-10D	10/10/2023		338.0000	*	100.0000
Boron, Total	ug/L	MW-10D	04/03/2024		615.0000	*	100.0000
Boron, Total	ug/L	MW-10D	10/09/2024		782.0000	*	100.0000
Boron, Total	ug/L	MW-10D	04/08/2025		343.0000	*	100.0000
Boron, Total	ug/L	MW-11D	04/20/2016		3440.0000	*	100.0000
Boron, Total	ug/L	MW-11D	06/02/2016		3890.0000	*	100.0000
Boron, Total	ug/L	MW-11D	08/12/2016		4230.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/30/2016		4570.0000	*	100.0000
Boron, Total	ug/L	MW-11D	12/01/2016		4530.0000	*	100.0000
Boron, Total	ug/L	MW-11D	01/31/2017		4650.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/25/2017		5140.0000	*	100.0000
Boron, Total	ug/L	MW-11D	08/10/2017		5420.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/28/2017		4890.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/22/2018		5050.0000	*	100.0000
Boron, Total	ug/L	MW-11D	09/12/2018		4940.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/08/2019		5390.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/14/2019		5140.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/07/2020		5070.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/12/2020		3330.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/17/2021		2480.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/17/2021		2450.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/12/2022		2270.0000	*	100.0000
Boron, Total	ug/L	MW-11D	11/29/2022		1600.0000	*	100.0000
Boron, Total	ug/L	MW-11D	05/03/2023		1380.0000	*	100.0000
Boron, Total	ug/L	MW-11D	10/09/2023		917.0000	*	100.0000
Boron, Total	ug/L	MW-11D	04/09/2024		620.0000	*	100.0000
Boron, Total	ug/L	MW-11D	10/15/2024		592.0000	*	100.0000
Boron, Total	ug/L	MW-11D	04/18/2025		510.0000	*	100.0000
Boron, Total	ug/L	MW-12D	03/29/2023		1660.0000	*	100.0000
Boron, Total	ug/L	MW-12D	04/27/2023		2110.0000	*	100.0000
Boron, Total	ug/L	MW-12D	07/06/2023		1750.0000	*	100.0000
Boron, Total	ug/L	MW-12D	10/17/2023		1400.0000	*	100.0000
Boron, Total	ug/L	MW-12D	04/16/2024		1240.0000	*	100.0000
Boron, Total	ug/L	MW-12D	10/01/2024		1170.0000	*	100.0000
Boron, Total	ug/L	MW-12D	04/17/2025		919.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/19/2016		2560.0000	*	100.0000
Boron, Total	ug/L	MW-1D	06/02/2016		2910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	08/10/2016		2840.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/30/2016		2910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	12/02/2016		2820.0000	*	100.0000
Boron, Total	ug/L	MW-1D	01/31/2017		3120.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/26/2017		2850.0000	*	100.0000
Boron, Total	ug/L	MW-1D	08/11/2017		2950.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/28/2017		2590.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/23/2018		2600.0000	*	100.0000
Boron, Total	ug/L	MW-1D	09/11/2018		2670.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/08/2019		2680.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/14/2019		1650.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/05/2020		1410.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-1D	11/11/2020		1110.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/25/2021		983.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/09/2021		910.0000	*	100.0000
Boron, Total	ug/L	MW-1D	05/10/2022		867.0000	*	100.0000
Boron, Total	ug/L	MW-1D	11/22/2022		720.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/19/2023		538.0000	*	100.0000
Boron, Total	ug/L	MW-1D	10/11/2023		417.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/09/2024		317.0000	*	100.0000
Boron, Total	ug/L	MW-1D	10/15/2024		281.0000	*	100.0000
Boron, Total	ug/L	MW-1D	04/22/2025		224.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/19/2016		1020.0000	*	100.0000
Boron, Total	ug/L	MW-2D	06/02/2016		1300.0000	*	100.0000
Boron, Total	ug/L	MW-2D	08/11/2016		1740.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/30/2016		2160.0000	*	100.0000
Boron, Total	ug/L	MW-2D	12/02/2016		2560.0000	*	100.0000
Boron, Total	ug/L	MW-2D	01/31/2017		2800.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/26/2017		2330.0000	*	100.0000
Boron, Total	ug/L	MW-2D	08/11/2017		1940.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/27/2017		1620.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/22/2018		1840.0000	*	100.0000
Boron, Total	ug/L	MW-2D	09/11/2018		1110.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/09/2019		940.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/13/2019		562.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/05/2020		392.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/11/2020		234.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/11/2021		245.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/10/2021		232.0000	*	100.0000
Boron, Total	ug/L	MW-2D	05/11/2022		194.0000	*	100.0000
Boron, Total	ug/L	MW-2D	11/15/2022		191.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/18/2023		160.0000	*	100.0000
Boron, Total	ug/L	MW-2D	10/10/2023		138.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/05/2024		145.0000	*	100.0000
Boron, Total	ug/L	MW-2D	10/07/2024		136.0000	*	100.0000
Boron, Total	ug/L	MW-2D	04/14/2025		122.0000	*	100.0000
Boron, Total	ug/L	MW-3D	04/17/2023		170.0000	*	100.0000
Boron, Total	ug/L	MW-3D	07/06/2023		180.0000	*	100.0000
Boron, Total	ug/L	MW-3D	10/10/2023		140.0000	*	100.0000
Boron, Total	ug/L	MW-3D	04/04/2024		121.0000	*	100.0000
Boron, Total	ug/L	MW-3D	10/07/2024		121.0000	*	100.0000
Boron, Total	ug/L	MW-3D	04/18/2025	ND	100.0000		100.0000
Boron, Total	ug/L	MW-4D	04/20/2016		194.0000	*	100.0000
Boron, Total	ug/L	MW-4D	06/01/2016		191.0000	*	100.0000
Boron, Total	ug/L	MW-4D	08/11/2016		184.0000	*	100.0000
Boron, Total	ug/L	MW-4D	09/29/2016		189.0000	*	100.0000
Boron, Total	ug/L	MW-4D	12/01/2016		189.0000	*	100.0000
Boron, Total	ug/L	MW-4D	01/31/2017		194.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/25/2017		198.0000	*	100.0000
Boron, Total	ug/L	MW-4D	08/10/2017		207.0000	*	100.0000
Boron, Total	ug/L	MW-4D	09/28/2017		184.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/21/2018		189.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Boron, Total	ug/L	MW-4D	09/11/2018		163.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/07/2019		164.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/13/2019		158.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/06/2020		134.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/10/2020		136.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/12/2021		140.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/17/2021		115.0000	*	100.0000
Boron, Total	ug/L	MW-4D	05/10/2022		138.0000	*	100.0000
Boron, Total	ug/L	MW-4D	11/21/2022		128.0000	*	100.0000
Boron, Total	ug/L	MW-4D	04/25/2023		132.0000	*	100.0000
Boron, Total	ug/L	MW-4D	10/06/2023		105.0000	*	100.0000
Boron, Total	ug/L	MW-4D	04/09/2024		127.0000	*	100.0000
Boron, Total	ug/L	MW-4D	10/03/2024		106.0000	*	100.0000
Boron, Total	ug/L	MW-4D	04/14/2025		145.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/20/2016		5990.0000	*	100.0000
Boron, Total	ug/L	MW-6D	06/01/2016		5890.0000	*	100.0000
Boron, Total	ug/L	MW-6D	08/11/2016		5540.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/29/2016		5630.0000	*	100.0000
Boron, Total	ug/L	MW-6D	12/01/2016		5390.0000	*	100.0000
Boron, Total	ug/L	MW-6D	01/30/2017		5210.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/25/2017		5300.0000	*	100.0000
Boron, Total	ug/L	MW-6D	08/10/2017		5410.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/27/2017		5170.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/22/2018		4820.0000	*	100.0000
Boron, Total	ug/L	MW-6D	09/10/2018		4230.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/08/2019		4330.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/14/2019		4480.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/08/2020		4740.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/10/2020		4350.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/18/2021		3590.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/09/2021		3220.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/11/2022		3060.0000	*	100.0000
Boron, Total	ug/L	MW-6D	11/15/2022		2730.0000	*	100.0000
Boron, Total	ug/L	MW-6D	05/01/2023		2090.0000	*	100.0000
Boron, Total	ug/L	MW-6D	10/10/2023		1840.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/04/2024		1520.0000	*	100.0000
Boron, Total	ug/L	MW-6D	10/02/2024		1420.0000	*	100.0000
Boron, Total	ug/L	MW-6D	04/10/2025		1090.0000	*	100.0000
Fluoride	mg/L	MW-10D	08/09/2019		0.1100		0.1200
Fluoride	mg/L	MW-10D	11/12/2021		0.2600	*	0.1200
Fluoride	mg/L	MW-10D	05/18/2022		0.2000	*	0.1200
Fluoride	mg/L	MW-10D	11/28/2022		0.1900	*	0.1200
Fluoride	mg/L	MW-10D	05/04/2023		0.1900	*	0.1200
Fluoride	mg/L	MW-10D	10/10/2023		0.1400	*	0.1200
Fluoride	mg/L	MW-10D	04/03/2024		0.1400	*	0.1200
Fluoride	mg/L	MW-10D	10/09/2024		0.1500	*	0.1200
Fluoride	mg/L	MW-10D	04/08/2025		0.1800	*	0.1200
Fluoride	mg/L	MW-11D	04/20/2016		0.2600	*	0.1200
Fluoride	mg/L	MW-11D	06/02/2016		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	08/12/2016		0.2100	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-11D	09/30/2016		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	12/01/2016		0.2200	*	0.1200
Fluoride	mg/L	MW-11D	01/31/2017		0.2400	*	0.1200
Fluoride	mg/L	MW-11D	05/25/2017		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	08/10/2017		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	09/28/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-11D	05/22/2018		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	09/12/2018		0.1700	*	0.1200
Fluoride	mg/L	MW-11D	05/08/2019		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	11/14/2019		0.2000	*	0.1200
Fluoride	mg/L	MW-11D	05/07/2020		0.2400	*	0.1200
Fluoride	mg/L	MW-11D	11/12/2020		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	05/17/2021		0.2500	*	0.1200
Fluoride	mg/L	MW-11D	11/17/2021		0.2300	*	0.1200
Fluoride	mg/L	MW-11D	05/12/2022		0.3000	*	0.1200
Fluoride	mg/L	MW-11D	11/29/2022		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	05/03/2023		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	10/09/2023		0.2800	*	0.1200
Fluoride	mg/L	MW-11D	04/09/2024		0.3400	*	0.1200
Fluoride	mg/L	MW-11D	10/15/2024		0.3100	*	0.1200
Fluoride	mg/L	MW-11D	04/18/2025		0.2700	*	0.1200
Fluoride	mg/L	MW-12D	03/29/2023		0.2700	*	0.1200
Fluoride	mg/L	MW-12D	04/27/2023		0.2500	*	0.1200
Fluoride	mg/L	MW-12D	07/06/2023		0.2500	*	0.1200
Fluoride	mg/L	MW-12D	10/17/2023		0.2700	*	0.1200
Fluoride	mg/L	MW-12D	04/16/2024		0.2500	*	0.1200
Fluoride	mg/L	MW-12D	10/01/2024		0.2100	*	0.1200
Fluoride	mg/L	MW-12D	04/17/2025		0.2300	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2016		0.4400	*	0.1200
Fluoride	mg/L	MW-1D	06/02/2016		0.4400	*	0.1200
Fluoride	mg/L	MW-1D	08/10/2016		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	09/30/2016		0.4600	*	0.1200
Fluoride	mg/L	MW-1D	12/02/2016		0.4600	*	0.1200
Fluoride	mg/L	MW-1D	01/31/2017		0.4100	*	0.1200
Fluoride	mg/L	MW-1D	05/26/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	08/11/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	09/28/2017		0.4200	*	0.1200
Fluoride	mg/L	MW-1D	05/23/2018		0.3600	*	0.1200
Fluoride	mg/L	MW-1D	09/11/2018		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	05/08/2019		0.3500	*	0.1200
Fluoride	mg/L	MW-1D	11/14/2019		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/05/2020		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	11/11/2020		0.3700	*	0.1200
Fluoride	mg/L	MW-1D	05/25/2021		0.3100	*	0.1200
Fluoride	mg/L	MW-1D	11/09/2021		0.3000	*	0.1200
Fluoride	mg/L	MW-1D	05/10/2022		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	11/22/2022		0.3800	*	0.1200
Fluoride	mg/L	MW-1D	04/19/2023		0.3400	*	0.1200
Fluoride	mg/L	MW-1D	10/11/2023		0.3200	*	0.1200
Fluoride	mg/L	MW-1D	04/09/2024		0.4200	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1D	10/15/2024		0.3800	*	0.1200
Fluoride	mg/L	MW-1D	04/22/2025		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	04/19/2016		0.4200	*	0.1200
Fluoride	mg/L	MW-2D	06/02/2016		0.4100	*	0.1200
Fluoride	mg/L	MW-2D	08/11/2016		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/30/2016		0.3900	*	0.1200
Fluoride	mg/L	MW-2D	12/02/2016		0.4100	*	0.1200
Fluoride	mg/L	MW-2D	01/31/2017		0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/26/2017		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	08/11/2017		0.3800	*	0.1200
Fluoride	mg/L	MW-2D	09/27/2017		0.3600	*	0.1200
Fluoride	mg/L	MW-2D	05/22/2018		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	09/11/2018		0.2900	*	0.1200
Fluoride	mg/L	MW-2D	05/09/2019		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	11/13/2019		0.3300	*	0.1200
Fluoride	mg/L	MW-2D	05/05/2020		0.3500	*	0.1200
Fluoride	mg/L	MW-2D	11/11/2020		0.3400	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2021		0.1900	*	0.1200
Fluoride	mg/L	MW-2D	11/10/2021		0.2700	*	0.1200
Fluoride	mg/L	MW-2D	05/11/2022		0.2900	*	0.1200
Fluoride	mg/L	MW-2D	11/15/2022		0.2800	*	0.1200
Fluoride	mg/L	MW-2D	04/18/2023		0.3200	*	0.1200
Fluoride	mg/L	MW-2D	10/10/2023		0.3100	*	0.1200
Fluoride	mg/L	MW-2D	04/05/2024		0.3400	*	0.1200
Fluoride	mg/L	MW-2D	10/07/2024		0.2900	*	0.1200
Fluoride	mg/L	MW-2D	04/14/2025		0.3200	*	0.1200
Fluoride	mg/L	MW-3D	04/17/2023		0.2600	*	0.1200
Fluoride	mg/L	MW-3D	07/06/2023		0.2300	*	0.1200
Fluoride	mg/L	MW-3D	10/10/2023		0.2100	*	0.1200
Fluoride	mg/L	MW-3D	04/04/2024		0.2000	*	0.1200
Fluoride	mg/L	MW-3D	10/07/2024		0.1800	*	0.1200
Fluoride	mg/L	MW-3D	04/18/2025		0.2200	*	0.1200
Fluoride	mg/L	MW-4D	04/20/2016		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	06/01/2016		0.1900	*	0.1200
Fluoride	mg/L	MW-4D	08/11/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-4D	09/29/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-4D	12/01/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-4D	01/31/2017		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	05/25/2017		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	08/10/2017		0.2200	*	0.1200
Fluoride	mg/L	MW-4D	09/28/2017		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	05/21/2018		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	09/11/2018		0.2100	*	0.1200
Fluoride	mg/L	MW-4D	05/07/2019		0.2800	*	0.1200
Fluoride	mg/L	MW-4D	11/13/2019		0.3000	*	0.1200
Fluoride	mg/L	MW-4D	05/06/2020		0.3400	*	0.1200
Fluoride	mg/L	MW-4D	11/10/2020		0.3100	*	0.1200
Fluoride	mg/L	MW-4D	05/12/2021		0.3100	*	0.1200
Fluoride	mg/L	MW-4D	11/17/2021		0.3000	*	0.1200
Fluoride	mg/L	MW-4D	05/10/2022		0.2900	*	0.1200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-4D	11/21/2022		0.3800	*	0.1200
Fluoride	mg/L	MW-4D	04/25/2023		0.3000	*	0.1200
Fluoride	mg/L	MW-4D	10/06/2023		0.2700	*	0.1200
Fluoride	mg/L	MW-4D	04/09/2024		0.3300	*	0.1200
Fluoride	mg/L	MW-4D	10/03/2024		0.2800	*	0.1200
Fluoride	mg/L	MW-4D	04/14/2025		0.2600	*	0.1200
Fluoride	mg/L	MW-6D	04/20/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	06/01/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/11/2016		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	09/29/2016		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	12/01/2016		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	01/30/2017		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/25/2017		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	08/10/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-6D	09/27/2017		0.1900	*	0.1200
Fluoride	mg/L	MW-6D	05/22/2018		0.1200		0.1200
Fluoride	mg/L	MW-6D	09/10/2018		0.1200		0.1200
Fluoride	mg/L	MW-6D	05/08/2019		0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/14/2019		0.1400	*	0.1200
Fluoride	mg/L	MW-6D	05/08/2020		0.1300	*	0.1200
Fluoride	mg/L	MW-6D	11/10/2020		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	05/18/2021		0.1600	*	0.1200
Fluoride	mg/L	MW-6D	11/09/2021		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/11/2022		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	11/15/2022		0.1800	*	0.1200
Fluoride	mg/L	MW-6D	05/01/2023		0.2200	*	0.1200
Fluoride	mg/L	MW-6D	10/10/2023		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	04/04/2024		0.1700	*	0.1200
Fluoride	mg/L	MW-6D	10/02/2024		0.2000	*	0.1200
Fluoride	mg/L	MW-6D	04/10/2025		0.1600	*	0.1200
Lithium, Total	ug/L	MW-10D	08/09/2019		73.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/12/2021		56.8000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/18/2022		48.6000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/28/2022		47.8000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/04/2023		49.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	10/10/2023		54.7000	*	20.0000
Lithium, Total	ug/L	MW-10D	04/03/2024		56.6000	*	20.0000
Lithium, Total	ug/L	MW-10D	10/09/2024		52.9000	*	20.0000
Lithium, Total	ug/L	MW-10D	04/08/2025		43.3000	*	20.0000
Lithium, Total	ug/L	MW-11D	04/20/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	06/02/2016		99.6000	*	20.0000
Lithium, Total	ug/L	MW-11D	08/12/2016		91.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/30/2016		95.9000	*	20.0000
Lithium, Total	ug/L	MW-11D	12/01/2016		97.4000	*	20.0000
Lithium, Total	ug/L	MW-11D	01/31/2017		88.3000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/25/2017		134.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	08/10/2017		98.8000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/22/2018		91.9000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/12/2018		83.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/08/2019		93.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-11D	11/14/2019		93.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/07/2020		94.1000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/12/2020		85.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/17/2021		84.1000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/17/2021		82.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/12/2022		88.1000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/29/2022		81.9000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/03/2023		79.2000	*	20.0000
Lithium, Total	ug/L	MW-11D	10/09/2023		83.2000	*	20.0000
Lithium, Total	ug/L	MW-11D	04/09/2024		79.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	10/15/2024		87.4000	*	20.0000
Lithium, Total	ug/L	MW-11D	04/18/2025		77.6000	*	20.0000
Lithium, Total	ug/L	MW-12D	03/29/2023		75.1000	*	20.0000
Lithium, Total	ug/L	MW-12D	04/27/2023		76.3000	*	20.0000
Lithium, Total	ug/L	MW-12D	07/06/2023		76.4000	*	20.0000
Lithium, Total	ug/L	MW-12D	10/17/2023		75.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	04/16/2024		74.3000	*	20.0000
Lithium, Total	ug/L	MW-12D	10/01/2024		71.2000	*	20.0000
Lithium, Total	ug/L	MW-12D	04/17/2025		83.1000	*	20.0000
Lithium, Total	ug/L	MW-1D	04/19/2016		108.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	06/02/2016		99.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	08/10/2016		91.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	09/30/2016		90.9000	*	20.0000
Lithium, Total	ug/L	MW-1D	12/02/2016		90.8000	*	20.0000
Lithium, Total	ug/L	MW-1D	01/31/2017		88.6000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/26/2017		94.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	08/11/2017		92.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/23/2018		99.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	09/11/2018		89.0000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/08/2019		99.7000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/14/2019		90.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/05/2020		94.3000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/11/2020		83.2000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/25/2021		82.6000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/09/2021		93.6000	*	20.0000
Lithium, Total	ug/L	MW-1D	05/10/2022		84.5000	*	20.0000
Lithium, Total	ug/L	MW-1D	11/22/2022		80.9000	*	20.0000
Lithium, Total	ug/L	MW-1D	04/19/2023		88.9000	*	20.0000
Lithium, Total	ug/L	MW-1D	10/11/2023		83.3000	*	20.0000
Lithium, Total	ug/L	MW-1D	04/09/2024		81.5000	*	20.0000
Lithium, Total	ug/L	MW-1D	10/15/2024		88.7000	*	20.0000
Lithium, Total	ug/L	MW-1D	04/22/2025		77.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/19/2016		115.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	06/02/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/11/2016		109.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/30/2016		106.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	12/02/2016		108.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	01/31/2017		105.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/26/2017		106.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/11/2017		102.0000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-2D	05/22/2018		91.1000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/11/2018		69.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/09/2019		86.5000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/13/2019		76.5000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/05/2020		74.4000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/11/2020		52.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/11/2021		51.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/10/2021		49.6000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/11/2022		51.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/15/2022		49.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/18/2023		47.9000	*	20.0000
Lithium, Total	ug/L	MW-2D	10/10/2023		34.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/05/2024		34.5000	*	20.0000
Lithium, Total	ug/L	MW-2D	10/07/2024		29.6000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/14/2025	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-6D	04/20/2016		155.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	06/01/2016		134.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	08/11/2016		138.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	09/29/2016		137.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	12/01/2016		132.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	01/30/2017		132.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/25/2017		134.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	08/10/2017		121.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/22/2018		105.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	09/10/2018		90.6000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/08/2019		113.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/14/2019		97.3000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/08/2020		99.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/10/2020		81.7000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/18/2021		84.5000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/09/2021		86.3000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/11/2022		80.7000	*	20.0000
Lithium, Total	ug/L	MW-6D	11/15/2022		81.2000	*	20.0000
Lithium, Total	ug/L	MW-6D	05/01/2023		70.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	10/10/2023		71.1000	*	20.0000
Lithium, Total	ug/L	MW-6D	04/04/2024		70.3000	*	20.0000
Lithium, Total	ug/L	MW-6D	10/02/2024		70.0000	*	20.0000
Lithium, Total	ug/L	MW-6D	04/10/2025		78.3000	*	20.0000
Molybdenum, Total	ug/L	MW-10D	08/09/2019		149.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/12/2021		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/18/2022		110.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/28/2022		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/04/2023		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	10/10/2023		83.7000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	04/03/2024		89.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	10/09/2024		81.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	04/08/2025		83.4000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	04/20/2016		202.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	06/02/2016		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	08/12/2016		189.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-11D	09/30/2016		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	12/01/2016		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	01/31/2017		182.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/25/2017		183.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	08/10/2017		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/22/2018		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	09/12/2018		156.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/08/2019		175.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/14/2019		162.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/07/2020		176.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/12/2020		170.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/17/2021		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/17/2021		183.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/12/2022		169.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	11/29/2022		159.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	05/03/2023		149.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	10/09/2023		133.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	04/09/2024		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	10/15/2024		121.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11D	04/18/2025		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	03/29/2023		196.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	04/27/2023		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	07/06/2023		196.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	10/17/2023		199.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	04/16/2024		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	10/01/2024		177.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	04/17/2025		170.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/19/2016		108.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	06/02/2016		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	08/10/2016		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/30/2016		126.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	12/02/2016		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	01/31/2017		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/26/2017		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	08/11/2017		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/23/2018		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/11/2018		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/08/2019		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/14/2019		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/05/2020		119.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/11/2020		113.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/25/2021		106.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/09/2021		112.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/10/2022		104.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/22/2022		101.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/19/2023		96.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	10/11/2023		92.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/09/2024		96.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	10/15/2024		85.3000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/22/2025		86.3000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-26D	03/27/2023		27.6000	*	10.0000
Molybdenum, Total	ug/L	MW-26D	05/04/2023		29.3000	*	10.0000
Molybdenum, Total	ug/L	MW-26D	07/05/2023		25.9000	*	10.0000
Molybdenum, Total	ug/L	MW-26D	10/16/2023		26.9000	*	10.0000
Molybdenum, Total	ug/L	MW-26D	04/03/2024		23.0000	*	10.0000
Molybdenum, Total	ug/L	MW-26D	10/02/2024		23.9000	*	10.0000
Molybdenum, Total	ug/L	MW-26D	04/03/2025		20.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/19/2016		103.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	06/02/2016		107.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/11/2016		102.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/30/2016		99.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	12/02/2016		110.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	01/31/2017		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/26/2017		120.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/11/2017		120.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/22/2018		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/11/2018		101.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/09/2019		94.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/13/2019		93.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/05/2020		92.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/11/2020		76.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/11/2021		67.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/10/2021		67.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/11/2022		59.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/15/2022		52.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/18/2023		47.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	10/10/2023		47.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/05/2024		42.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	10/07/2024		34.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/14/2025		29.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3D	04/17/2023		18.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3D	07/06/2023		18.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3D	10/10/2023		14.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3D	04/04/2024		11.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3D	10/07/2024		10.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3D	04/18/2025		11.3000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	04/20/2016		184.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	06/01/2016		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	08/11/2016		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	09/29/2016		180.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	12/01/2016		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	01/30/2017		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/25/2017		208.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	08/10/2017		213.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/22/2018		208.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	09/10/2018		190.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/08/2019		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/14/2019		175.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/08/2020		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/10/2020		210.0000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 7

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-6D	05/18/2021		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/09/2021		244.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/11/2022		209.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	11/15/2022		210.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	05/01/2023		212.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	10/10/2023		203.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	04/04/2024		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	10/02/2024		213.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6D	04/10/2025		187.0000	*	10.0000
Total Radium	pCi/L	MW-26D	03/27/2023		1.0100		1.9500
Total Radium	pCi/L	MW-26D	05/04/2023		0.8250		1.9500
Total Radium	pCi/L	MW-26D	07/05/2023		0.9030		1.9500
Total Radium	pCi/L	MW-26D	10/16/2023		1.6000		1.9500
Total Radium	pCi/L	MW-26D	04/03/2024		1.2100		1.9500
Total Radium	pCi/L	MW-26D	10/02/2024		1.0100		1.9500
Total Radium	pCi/L	MW-26D	04/03/2025		1.9700	*	1.9500

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

APPENDIX D

95% Lower Confidence Limit Backup Documentation

Appendix D.1.A– October 2024 Event – Shallow Zone
- Appendix D.1.A – Table 1: Confidence Intervals (N=4)
- Appendix D.1.A – Table 1: Confidence Intervals (Individual Constituents) (N=8)

Appendix D.1.B– October 2024 Event – Intermediate Zone
- Appendix D.1.B – Table 1: Confidence Intervals (N=4)
- Appendix D.1.B – Table 1: Confidence Intervals (N=8)

Appendix D.1.C– October 2024 Event – Deep Zone
- Appendix D.1.C – Table 1: Confidence Intervals (N=4)

Appendix D.2 – October 2024 Event – 95% LCL vs GWPS Comparison
- Appendix D.2.A – Table 1: LCL Compared to GWPS – Shallow Zone
- Appendix D.2.B – Table 2: LCL Compared to GWPS – Intermediate Zone
- Appendix D.2.C – Table 3: LCL Compared to GWPS – Deep Zone

Appendix D.3 – April 2025 Event – Shallow Zone
- Appendix D.3.A – Table 1: Confidence Intervals (N=4)
- Appendix D.3.A – Table 1: Confidence Intervals (N=8)
- Appendix D.3.A – Table 1: Confidence Intervals (Individual Constituents) (N=6, 8, 12, 15)

Appendix D.3.B– April 2025 Event – Intermediate Zone
- Appendix D.3.B – Table 1: Confidence Intervals (N=4)
- Appendix D.3.B – Table 1: Confidence Intervals (Individual Constituents) (N=8)

Appendix D.3.C– April 2025 Event – Deep Zone
- Appendix D.3.C – Table 1: Confidence Intervals (N=4)

Appendix D.4 – April 2025 Event – 95% LCL vs GWPS Comparison
- Appendix D.4.A – Table 5A: LCL Compared to GWPS – Shallow Zone
- Appendix D.4.B – Table 5B: LCL Compared to GWPS – Intermediate Zone
- Appendix D.4.C – Table 5C: LCL Compared to GWPS – Deep Zone

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Antimony, Total	ug/L	MW-10S	4	2.200	0.283	1.176	1.867	2.533	6.000		
Antimony, Total	ug/L	MW-11S	4	1.325	0.050	1.176	1.266	1.384	6.000		
Antimony, Total	ug/L	MW-12S	4	1.775	0.206	1.176	1.533	2.017	6.000		
Antimony, Total	ug/L	MW-1S	4	1.400	0.638	1.176	0.650	2.150	6.000		
Antimony, Total	ug/L	MW-2S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	4	1.000	0.356	1.176	0.581	1.419	6.000		
Antimony, Total	ug/L	MW-7S	4	2.750	0.238	1.176	2.470	3.030	6.000		
Arsenic, Total	ug/L	MW-10S	4	0.900	0.800	1.176	0.000	1.841	10.000		
Arsenic, Total	ug/L	MW-11S	4	59.975	11.836	1.176	46.052	73.898	10.000		**
Arsenic, Total	ug/L	MW-12S	4	1.950	2.124	1.176	0.000	4.448	10.000		
Arsenic, Total	ug/L	MW-1S	4	3.525	1.044	1.176	2.297	4.753	10.000		
Arsenic, Total	ug/L	MW-2S	4	8.100	3.902	1.176	3.510	12.690	10.000		
Arsenic, Total	ug/L	MW-3S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-7S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Barium, Total	ug/L	MW-10S	4	82.700	11.602	1.176	69.053	96.347	2000.000		
Barium, Total	ug/L	MW-11S	4	110.750	37.974	1.176	66.081	155.419	2000.000		
Barium, Total	ug/L	MW-12S	4	143.750	21.077	1.176	118.957	168.543	2000.000		
Barium, Total	ug/L	MW-1S	4	70.400	9.379	1.176	59.368	81.432	2000.000		
Barium, Total	ug/L	MW-2S	4	129.000	31.123	1.176	92.390	165.610	2000.000		
Barium, Total	ug/L	MW-3S	4	100.550	14.585	1.176	83.394	117.706	2000.000		
Barium, Total	ug/L	MW-6S	4	90.850	12.225	1.176	76.470	105.230	2000.000		
Barium, Total	ug/L	MW-7S	4	50.900	10.852	1.176	38.135	63.665	2000.000		
Cobalt, Total	ug/L	MW-10S	4	0.775	0.550	1.176	0.128	1.422	6.000		
Cobalt, Total	ug/L	MW-11S	3								*
Cobalt, Total	ug/L	MW-12S	4	0.800	0.600	1.176	0.094	1.506	6.000		
Cobalt, Total	ug/L	MW-1S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-3S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-6S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-7S	4	1.150	0.443	1.176	0.628	1.672	6.000		
Fluoride	mg/L	MW-10S	4	0.188	0.042	1.176	0.138	0.237	4.000		
Fluoride	mg/L	MW-11S	4	0.183	0.031	1.176	0.146	0.219	4.000		
Fluoride	mg/L	MW-12S	4	0.220	0.044	1.176	0.168	0.272	4.000		
Fluoride	mg/L	MW-1S	4	0.135	0.070	1.176	0.053	0.217	4.000		
Fluoride	mg/L	MW-2S	4	0.180	0.024	1.176	0.151	0.209	4.000		
Fluoride	mg/L	MW-3S	4	0.263	0.054	1.176	0.199	0.326	4.000		
Fluoride	mg/L	MW-6S	4	0.230	0.040	1.176	0.183	0.277	4.000		
Fluoride	mg/L	MW-7S	4	0.050	0.000	1.176	0.050	0.050	4.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lithium, Total	ug/L	MW-10S	4	90.650	14.438	1.176	73.666	107.634	40.000		**
Lithium, Total	ug/L	MW-11S	4	82.375	45.351	1.176	29.030	135.720	40.000		
Lithium, Total	ug/L	MW-12S	4	119.425	17.795	1.176	98.493	140.357	40.000		**
Lithium, Total	ug/L	MW-1S	4	66.875	10.560	1.176	54.454	79.296	40.000		**
Lithium, Total	ug/L	MW-2S	4	36.275	1.846	1.176	34.103	38.447	40.000		
Lithium, Total	ug/L	MW-3S	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-6S	4	79.625	24.123	1.176	51.250	108.000	40.000		**
Lithium, Total	ug/L	MW-7S	4	61.825	21.141	1.176	36.957	86.693	40.000		
Molybdenum, Total	ug/L	MW-10S	4	59.600	13.544	1.176	43.668	75.532	100.000	dec	
Molybdenum, Total	ug/L	MW-11S	4	52.575	19.281	1.176	29.895	75.255	100.000		
Molybdenum, Total	ug/L	MW-12S	4	24.625	9.438	1.176	13.524	35.726	100.000		
Molybdenum, Total	ug/L	MW-1S	4	24.950	13.665	1.176	8.876	41.024	100.000		
Molybdenum, Total	ug/L	MW-2S	4	8.850	4.552	1.176	3.495	14.205	100.000		
Molybdenum, Total	ug/L	MW-3S	4	37.250	10.900	1.176	24.428	50.072	100.000		
Molybdenum, Total	ug/L	MW-6S	4	85.150	4.565	1.176	79.781	90.519	100.000		
Molybdenum, Total	ug/L	MW-7S	4	25.275	3.093	1.176	21.636	28.914	100.000		
Selenium, Total	ug/L	MW-10S	4	10.600	17.134	1.176	0.000	30.755	50.000	inc	
Selenium, Total	ug/L	MW-11S	4	15.050	6.393	1.176	7.530	22.570	50.000		
Selenium, Total	ug/L	MW-12S	4	18.725	7.033	1.176	10.452	26.998	50.000		
Selenium, Total	ug/L	MW-1S	4	17.900	7.752	1.176	8.782	27.018	50.000		
Selenium, Total	ug/L	MW-2S	4	9.450	10.853	1.176	0.000	22.217	50.000		
Selenium, Total	ug/L	MW-3S	4	2.200	3.400	1.176	0.000	6.199	50.000		
Selenium, Total	ug/L	MW-6S	4	31.925	11.999	1.176	17.811	46.039	50.000		
Selenium, Total	ug/L	MW-7S	4	22.600	2.954	1.176	19.125	26.075	50.000		
Total Radium	pCi/L	MW-10S	4	1.217	0.338	1.176	0.819	1.615	5.000		
Total Radium	pCi/L	MW-11S	4	0.930	0.070	1.176	0.847	1.013	5.000		
Total Radium	pCi/L	MW-12S	4	0.885	0.170	1.176	0.685	1.085	5.000		
Total Radium	pCi/L	MW-1S	4	0.815	0.000	1.176	0.815	0.815	5.000		
Total Radium	pCi/L	MW-2S	4	0.728	0.015	1.176	0.710	0.745	5.000		
Total Radium	pCi/L	MW-3S	4	0.790	0.000	1.176	0.790	0.790	5.000		
Total Radium	pCi/L	MW-6S	4	1.083	0.317	1.176	0.710	1.456	5.000		
Total Radium	pCi/L	MW-7S	4	0.918	0.221	1.176	0.659	1.177	5.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Beryllium, Total	ug/L	MW-10S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-11S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-12S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-1S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-2S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-3S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-6S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-7S	4	2.000	0.000	1.176	2.000	2.000	4.000	
Cadmium, Total	ug/L	MW-10S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-11S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-12S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-1S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-2S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-3S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-6S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-7S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Chromium, Total	ug/L	MW-10S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-11S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-12S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-1S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-2S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-3S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-6S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-7S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Lead, Total	ug/L	MW-10S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-11S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-12S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-1S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-2S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-3S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-6S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-7S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Mercury	ug/L	MW-10S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-11S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-12S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-1S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-2S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-3S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-6S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-7S	4	1.000	0.000	1.176	1.000	1.000	2.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Thallium, Total	ug/L	MW-10S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-11S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-12S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-1S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-2S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-3S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-6S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-7S	4	1.000	0.000	1.176	1.000	1.000	2.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Arsenic, Total	ug/L	MW-2S	8	9.750	3.862	0.670	7.163	12.337	10.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

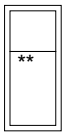
Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Lithium, Total	ug/L	MW-11S	8	100.063	36.625	0.670	75.531	124.594	40.000	
Lithium, Total	ug/L	MW-2S	8	43.975	10.082	0.670	37.222	50.728	40.000	
Lithium, Total	ug/L	MW-7S	8	46.588	21.377	0.670	32.269	60.906	40.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard



* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

MEAN / MEDIAN CALCULATOR
BACKUP DOCUMENTATION

MW-2I	Barium, total	Lithium, total
	ug/L	ug/L
4/19/2023	94.9	47.9
10/10/2023	75.1	32.9
4/5/2024	70.1	31.2
10/7/2024	67.9	29.3
SORTED	67.9	29.3
	70.1	31.2
	75.1	32.9
	94.9	47.9
Q1	69	30.25
Q3	85	40.4
IQR	16	10.15
MEAN	77	35.325
MEDIAN	72.6	32.05
N	4	4
GWPS	2000	40
S	12.307721	8.511316
t	2.353	2.353
LCL (MEAN)	62.520	25.311
LCL (MEDIAN)	**58.120**	**22.036**
DETERMINATION (LCL MEAN)	**BELOW GWPS**	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**	**BELOW GWPS**

MEAN / MEDIAN CALCULATOR
BACKUP DOCUMENTATION

MW-3I	Molybdenum, total ug/L
4/17/2023	68.1
10/9/2023	56.2
4/4/2024	42.2
10/7/2024	41
SORTED	41
	42.2
	56.2
	68.1
Q1	41.6
Q3	62.15
IQR	20.55
MEAN	51.875
MEDIAN	49.2
N	4
GWPS	100
S	12.830010
t	2.353
LCL (MEAN)	36.780
LCL (MEDIAN)	**34.105**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATOR
BACKUP DOCUMENTATION

MW-6I	Barium, total	Lithium, total
	ug/L	ug/L
5/1/2023	73.8	99.5
10/10/2023	76.4	100
4/4/2024	78.7	107
10/2/2024	91	120
SORTED	73.8	99.5
	76.4	100
	78.7	107
	91	120
Q1	75.1	99.75
Q3	84.85	113.5
IQR	9.75	13.75
MEAN	79.975	106.625
MEDIAN	77.55	103.5
N	4	4
GWPS	2000	40
S	7.617688	9.551396
t	2.353	2.353
LCL (MEAN)	71.013	95.388
LCL (MEDIAN)	**68.588**	**92.263**
DETERMINATION (LCL MEAN)	BELOW GWPS	EXCEEDS GWPS
DETERMINATION (LCL MEDIAN)	BELOW GWPS	EXCEEDS GWPS

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Antimony, Total	ug/L	MW-11I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Arsenic, Total	ug/L	MW-11I	4	1.025	0.386	1.176	0.571	1.479	10.000		
Arsenic, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Barium, Total	ug/L	MW-11I	4	56.300	3.617	1.176	52.046	60.554	2000.000		
Barium, Total	ug/L	MW-1I	4	52.250	8.817	1.176	41.879	62.621	2000.000		
Barium, Total	ug/L	MW-2I	4	77.000	12.308	1.176	62.523	91.477	2000.000	dec	
Barium, Total	ug/L	MW-3I	4	71.500	18.322	1.176	49.947	93.053	2000.000		
Barium, Total	ug/L	MW-6I	4	79.975	7.618	1.176	71.014	88.936	2000.000	inc	
Cobalt, Total	ug/L	MW-11I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-6I	4	0.625	0.250	1.176	0.331	0.919	6.000		
Fluoride	mg/L	MW-11I	4	0.420	0.033	1.176	0.382	0.458	4.000		
Fluoride	mg/L	MW-1I	4	0.303	0.040	1.176	0.255	0.350	4.000		
Fluoride	mg/L	MW-2I	4	0.298	0.031	1.176	0.261	0.334	4.000		
Fluoride	mg/L	MW-3I	4	0.358	0.031	1.176	0.321	0.394	4.000		
Fluoride	mg/L	MW-6I	4	0.293	0.021	1.176	0.268	0.317	4.000		
Lithium, Total	ug/L	MW-11I	4	99.375	6.768	1.176	91.414	107.336	40.000		**
Lithium, Total	ug/L	MW-1I	4	81.700	6.547	1.176	73.999	89.401	40.000		**
Lithium, Total	ug/L	MW-2I	4	35.325	8.511	1.176	25.313	45.337	40.000	dec	
Lithium, Total	ug/L	MW-3I	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-6I	4	106.625	9.551	1.176	95.390	117.860	40.000	inc	**
Molybdenum, Total	ug/L	MW-11I	4	123.250	5.500	1.176	116.780	129.720	100.000		**
Molybdenum, Total	ug/L	MW-1I	4	89.050	5.940	1.176	82.063	96.037	100.000		
Molybdenum, Total	ug/L	MW-2I	4	81.250	7.171	1.176	72.814	89.686	100.000		
Molybdenum, Total	ug/L	MW-3I	4	51.875	12.830	1.176	36.783	66.967	100.000	dec	
Molybdenum, Total	ug/L	MW-6I	4	154.500	23.615	1.176	126.722	182.278	100.000		**
Selenium, Total	ug/L	MW-11I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6I	4	0.500	0.000	1.176	0.500	0.500	50.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Prepared by: ATC Group Services LLC

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Total Radium	pCi/L	MW-11I	4	1.397	0.708	1.176	0.564	2.230	5.000		
Total Radium	pCi/L	MW-1I	4	1.364	0.319	1.176	0.989	1.739	5.000		
Total Radium	pCi/L	MW-2I	4	1.218	0.297	1.176	0.868	1.567	5.000		
Total Radium	pCi/L	MW-3I	4	1.251	0.476	1.176	0.691	1.810	5.000		
Total Radium	pCi/L	MW-6I	4	1.797	0.208	1.176	1.553	2.042	5.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Beryllium, Total	ug/L	MW-11I	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-1I	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-2I	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-3I	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-6I	4	2.000	0.000	1.176	2.000	2.000	4.000	
Cadmium, Total	ug/L	MW-11I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-1I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-2I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-3I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-6I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Chromium, Total	ug/L	MW-11I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-1I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-2I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-3I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-6I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Lead, Total	ug/L	MW-11I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-1I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-2I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-3I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-6I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Mercury	ug/L	MW-11I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-1I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-2I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-3I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-6I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-11I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-1I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-2I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-3I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-6I	4	1.000	0.000	1.176	1.000	1.000	2.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Molybdenum, Total	ug/L	MW-1I	8	93.000	7.850	0.670	87.742	98.258	100.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

MEAN / MEDIAN CALCULATOR
BACKUP DOCUMENTATION

MW-2D	Lithium, total ug/L
4/18/2023	47.9
10/10/2023	34.7
4/5/2024	34.5
10/7/2024	29.6
SORTED	29.6
	34.5
	34.7
	47.9
Q1	32.05
Q3	41.3
IQR	9.25
MEAN	36.675
MEDIAN	34.6
N	4
GWPS	2000
S	7.846177
t	2.353
LCL (MEAN)	27.444
LCL (MEDIAN)	**25.369**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATOR
BACKUP DOCUMENTATION

MW-11D	Barium, total ug/L	Molybdenum, total ug/L
5/3/2023	64.5	149
10/9/2023	62.1	133
4/9/2024	60.8	125
10/15/2024	60.3	121
SORTED	60.3	121
	60.8	125
	62.1	133
	64.5	149
Q1	60.55	123
Q3	63.3	141
IQR	2.75	18
MEAN	61.925	132
MEDIAN	61.45	129
N	4	4
GWPS	2000	100
S	1.876832	12.382784
t	2.353	2.353
LCL (MEAN)	59.717	117.432
LCL (MEDIAN)	**59.242**	**114.432**
DETERMINATION (LCL MEAN)	**BELOW GWPS**	**EXCEEDS GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**	**EXCEEDS GWPS**

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Antimony, Total	ug/L	MW-11D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Arsenic, Total	ug/L	MW-11D	4	4.775	0.479	1.176	4.212	5.338	10.000		
Arsenic, Total	ug/L	MW-1D	4	2.100	0.432	1.176	1.592	2.608	10.000		
Arsenic, Total	ug/L	MW-2D	4	4.325	0.411	1.176	3.841	4.809	10.000		
Arsenic, Total	ug/L	MW-6D	4	0.800	0.600	1.176	0.094	1.506	10.000		
Barium, Total	ug/L	MW-11D	4	61.925	1.877	1.176	59.717	64.133	2000.000	dec	
Barium, Total	ug/L	MW-1D	4	59.200	1.134	1.176	57.866	60.534	2000.000		
Barium, Total	ug/L	MW-2D	4	69.925	7.058	1.176	61.623	78.227	2000.000		
Barium, Total	ug/L	MW-6D	4	60.900	2.459	1.176	58.008	63.792	2000.000		
Cobalt, Total	ug/L	MW-11D	4	0.725	0.450	1.176	0.196	1.254	6.000		
Cobalt, Total	ug/L	MW-1D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-6D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Fluoride	mg/L	MW-11D	4	0.303	0.029	1.176	0.269	0.336	4.000		
Fluoride	mg/L	MW-1D	4	0.365	0.044	1.176	0.313	0.417	4.000		
Fluoride	mg/L	MW-2D	4	0.315	0.021	1.176	0.291	0.339	4.000		
Fluoride	mg/L	MW-6D	4	0.190	0.024	1.176	0.161	0.219	4.000		
Lithium, Total	ug/L	MW-11D	4	82.375	3.793	1.176	77.913	86.837	40.000		**
Lithium, Total	ug/L	MW-1D	4	85.600	3.768	1.176	81.167	90.033	40.000		**
Lithium, Total	ug/L	MW-2D	4	36.675	7.846	1.176	27.446	45.904	40.000	dec	
Lithium, Total	ug/L	MW-6D	4	70.350	0.520	1.176	69.739	70.961	40.000		**
Molybdenum, Total	ug/L	MW-11D	4	132.000	12.383	1.176	117.434	146.566	100.000	dec	**
Molybdenum, Total	ug/L	MW-1D	4	92.650	5.339	1.176	86.369	98.931	100.000		
Molybdenum, Total	ug/L	MW-2D	4	43.100	6.323	1.176	35.662	50.538	100.000		
Molybdenum, Total	ug/L	MW-6D	4	206.500	7.234	1.176	197.991	215.009	100.000		**
Selenium, Total	ug/L	MW-11D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Total Radium	pCi/L	MW-11D	4	1.467	0.406	1.176	0.990	1.945	5.000		
Total Radium	pCi/L	MW-1D	4	1.693	0.244	1.176	1.406	1.979	5.000		
Total Radium	pCi/L	MW-2D	4	1.261	0.383	1.176	0.811	1.712	5.000		
Total Radium	pCi/L	MW-6D	4	1.080	0.299	1.176	0.729	1.431	5.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Beryllium, Total	ug/L	MW-11D	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-1D	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-2D	4	2.000	0.000	1.176	2.000	2.000	4.000	
Beryllium, Total	ug/L	MW-6D	4	2.000	0.000	1.176	2.000	2.000	4.000	
Cadmium, Total	ug/L	MW-11D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-1D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-2D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-6D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Chromium, Total	ug/L	MW-11D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-1D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-2D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-6D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Lead, Total	ug/L	MW-11D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-1D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-2D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-6D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Mercury	ug/L	MW-11D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-1D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-2D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-6D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-11D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-1D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-2D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-6D	4	1.000	0.000	1.176	1.000	1.000	2.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1: 95% LCL Compared to GWPS
Shallow Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	5.8	70.0224	0.2	2	10	5.8	0.1	10	20	2	10	1	1	1.78
MW-1S	September 2018	3	6	70	2	1	5	2.5	0.249	5	**89.667**	1	28.867	8	1	0.179
	May 2019	2	4	56	2	1	5	2.5	0.114	5	**79.165**	1	15.347	9	1	0.195
	November 2019	2	4	55	2	1	5	2.5	0.147	5	**79.451**	1	16.653	6	1	0.195
	May 2020	2	3	53	2	1	5	2.5	0.150	5	**80.189**	1	16.100	5	1	0.704
	November 2020	2	3	55	2	1	5	2.5	0.148	5	**88.264**	1	18.852	3	1	0.705
	May 2021	2	4	66	2	1	5	2.5	0.082	5	**77.22**	1	21.985	2	1	0.800
	November 2021	1.670	3.755 4.746 (N=8)	62.955	2.000	1.000	5.000	0.500	0.054	5.000	**74.307**	1.000	15.401	5.239	1.000	0.750
	May 2022	1.421	3.228	65.705	2.000	1.000	5.000	0.500	0.043	5.000	**74.448**	1.000	11.589	8.818	1.000	0.750
	November 2022	1.487	2.768	61.875	2.000	1.000	5.000	0.500	0.053	5.000	**71.273**	1.000	19.172	19.289	1.000	0.750
	April 2023	1.242	2.279	57.771	2.000	1.000	5.000	0.500	0.112	5.000	**67.103**	1.000	14.915	19.350	1.000	0.776
	October 2023	1.271	2.317	61.080	2.000	1.000	5.000	0.500	0.058	5.000	**63.712**	1.000	15.291	15.836	1.000	0.815
	April 2024	1.388	1.412	54.658	0.100	1.000	5.000	0.500	0.054	5.000	**53.774**	1.000	10.168	14.897	0.500	0.815
	October 2024	0.650	2.297	59.368	2.000	1.000	5.000	0.500	0.053	5.000	**54.454**	1.000	8.876	8.782	1.000	0.815
MW-2S	September 2018	3	0	159	2	1	5	2.5	0.138	5	**82.118**	1	10.109	2	1	0.787
	May 2019	3	0	182	2	1	5	2.5	0.121	5	**82.220**	1	0	0	1	0.915
	November 2019	3	1	133	2	1	5	1.243	0.119	5	**80.204**	1	9.522	0	1	1.011
	May 2020	3	0	132	2	1	5	1.243	0.116	5	**80.032**	1	5.47	0	1	0.678
	November 2020	3	7	99	2	1	5	1.243	0.123	5	**77.000**	1	3.854	0	1	0.284
	May 2021	3	8	89	2	1	5	1.243	0.105	5	**47.696**	1	3.499	0	1	0.170
	November 2021	0.500	9.413 9.766 (N=7) 8.724 (N=8) **10.853 (N=16)**	95.412	2.000	1.000	5.000	2.500	0.107	5.000	**43.414**	1.000	3.472	0.000	1.000	0.170
	May 2022	0.500	9.504 **10.317 (N=8)**	107.557	2.000	1.000	5.000	0.500	0.111	5.000	**41.555**	1.000	5.997	3.834	1.000	0.315
	November 2022	0.500	7.272 9.383 (N=8) **10.817 (N=15)**	98.750	2.000	1.000	5.000	0.500	0.111	5.000	**41.444**	1.000	5.997	2.833	1.000	0.466
	April 2023	0.500	7.393 9.336 (N=8) **11.027 (N=16)**	99.202	0.100	1.000	5.000	0.500	0.130	5.000	39.003 **48.832 (N=8)**	1.000	3.573	10.400	0.500	0.466
	October 2023	0.500	4.687 8.732 (N=8) **10.238 (N=16)**	87.089	2.000	1.000	5.000	0.500	0.130	5.000	34.639 **40.571 (N=7)**	1.000	2.160	2.639	1.000	0.710
	April 2024	0.500	3.748 9.469 (N=16)	84.042	0.100	1.000	5.000	0.500	0.132	5.000	31.633	0.100	1.991	0.000	0.500	0.710
	October 2024	0.500	3.510	92.390	2.000	1.000	5.000	0.500	0.151	5.000	34.103 37.222 (N=8)	1.000	3.495	0.000	1.000	0.710

Table 1: 95% LCL Compared to GWPS
Shallow Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	5.8	70.0224	0.2	2	10	5.8	0.1	10	20	2	10	1	1	1.78
MW-3S	September 2018	3	5	71	2	1	5	2.5	0.269	5	10.077	1	36.566	0	1	0.578
	May 2019	2	5	71	2	1	5	2.5	0.210	5	9.220	1	35.121	1	1	0.621
	May 2019							2.5								
	November 2019	2	5	71	2	1	5	2.5	0.193	5	6.662	1	30.294	1	1	0.621
	May 2020	2	5	72	2	1	5	2.5	0.202	5	6.648	1	34.252	4	1	0.785
	November 2020	2	5	67	2	1	5	2.5	0.222	5	6.648	1	41.738	4	1	0.802
	May 2021	3	5	69	2	1	5	2.5	0.300	5	5.165	1	54.17	5	1	0.850
	November 2021	3.000	0.500	78.554	2.000	1.000	5.000	0.500	0.275	5.000	7.202	1.000	45.499	4.696	1.000	0.766
	May 2022	1.408	0.500	76.241	2.000	1.000	5.000	0.500	0.204	5.000	7.183	1.000	42.611	1.023	1.000	0.766
	November 2022	0.297	0.500	77.024	2.000	1.000	5.000	0.500	0.215	5.000	7.183	1.000	47.793	0.000	1.000	0.766
	April 2023	0.297	0.500	77.310	2.000	1.000	5.000	0.500	0.183	5.000	7.183	1.000	25.623	0.157	1.000	0.766
	October 2023	0.297	0.500	79.263	2.000	1.000	5.000	0.500	0.181	5.000	5.029	1.000	24.899	0.000	1.000	0.850
	April 2024	0.500	0.500	83.240	0.100	1.000	5.000	0.500	0.203	5.000	10.000	1.000	24.382	0.000	0.500	0.850
	October 2024	0.500	0.500	83.394	2.000	1.000	5.000	0.500	0.199	5.000	10.000	1.000	24.428	0.000	1.000	0.790
MW-6S	September 2018	1	5	87	2	1	5	2.5	0.167	5	**56.080**	1	60.220	1	1	0.390
	May 2019	1	5	60	2	1	5	2.5	0.154	5	26.928	1	37.099	1	1	0.397
	November 2019	1	5	67	2	1	5	2.5	0.154	5	29.301	1	41.627	2	1	0.451
	May 2020	1	5	67	2	1	5	2.5	0.160	5	29.814	1	45.727	1	1	0.542
	November 2020	1	5	75	2	1	5	2.5	0.155	5	30.669	1	43.731	5	1	0.697
	May 2021	1	5	93	2	1	5	2.5	0.165	5	**74.534**	1	97.661	7	1	0.653
	November 2021	1.099	0.500	83.423	2.000	1.000	5.000	0.500	0.165	5.000	**80.680**	1.000	98.584 90.137 (N=8)	3.386	1.000	0.765
	May 2022	0.764	0.500	80.638	2.000	1.000	5.000	0.500	0.200	5.000	**72.068**	1.000	91.082 90.410 (N=8) 95.731 (N=16)	3.202	1.000	0.816
	November 2022	DRY WELL; NOT SAMPLED														
	April 2023	0.574	0.5	75.325	2	1	5	0.5	0.2	5	**52.553**	1	69.279 82.616 (N=8) 94.397 (N=16)	0.728	1	0.816
	October 2023	DRY WELL; NOT SAMPLED														
	April 2024	0.537	0.5	74.673	0.1	1	5	0.5	0.183	5	**51.308**	1	59.886 95.363 (N=8)	3.504	0.5	0.783
	October 2024	0.581	0.500	76.47	2.000	1.000	5.000	0.5	0.183	5.000	**51.25**	1.000	79.781	17.811	1.000	0.71

Table 1: 95% LCL Compared to GWPS
Shallow Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	5.8	70.0224	0.2	2	10	5.8	0.1	10	20	2	10	1	1	1.78
MW-7S	September 2018	3	5	103	2	1	5	2.5	0.060	5	**108.558**	1	**132.202**	3	1	1.017
	May 2019	2	5	95	2	1	5	2.5	0.035	5	**42.012**	1	50.335	3	1	0.847
	November 2019	2	5	95	2	1	5	2.5	0.035	5	**42.012**	1	50.335	3	1	0.847
	May 2020	2	5	68	2	1	5	2.5	0.030	5	13.035	1	12.109	3	1	0.747
	November 2020	2	2	57	2	1	5	2.332	0.050	5	4.098	1	15.631	6	1	0.299
	May 2021	2	2	56	2	1	5	2.332	0.050	5	26.464	1	38.333	6	1	0.142
	November 2021	2.350	1.494	56.195	2.000	1.000	5.000	1.864	0.050	5.000	26.514	1.000	32.098	9.319	1.000	0.209
	May 2022	2.223	1.494	64.327	2.000	1.000	5.000	1.864	0.050	5.000	26.538	1.000	33.538	11.39	1.000	0.000
	November 2022	2.079	2.821	80.595	2.000	1.000	5.000	1.864	0.050	5.000	30.856	1.000	32.367	15.115	1.000	0.576
	April 2023	2.138	0.000	65.384	2.000	1.000	5.000	1.385	0.050	5.000	29.320	1.000	25.177	15.032	1.000	0.538
	October 2023	2.337	0.500	46.610	2.000	1.000	5.000	0.845	0.050	5.000	25.759	1.000	24.898	18.376	1.000	0.544
	April 2024	2.412	0.500	38.925	0.100	1.000	5.000	0.628	0.050	5.000	22.835 27.523 (N=8)	1.000	20.536	17.486	0.500	0.651
	October 2024	2.470	0.500	38.135	2.000	1.000	5.000	0.628	0.050	5.000	36.957 32.269 (N=8)	1.000	21.636	19.125	1.000	0.659
MW-10S	September 2018	1	5	65	2	1	5	2.5	0.357	5	**76.208**	1	**170.345**	3	1	0.722
	May 2019	1	5	59	2	1	5	2.5	0.260	5	**76.955**	1	**100.416**	1	1	0.779
	November 2019	1	5	59	2	1	5	2.5	0.260	5	**76.955**	1	**100.416**	1	1	0.779
	May 2020	1	5	61	2	1	5	2.5	0.247	5	**75.161**	1	76.448	0	1	0.775
	November 2020	1	5	71	2	1	5	2.5	0.212	5	**76.355**	1	59.679	0	1	0.875
	May 2021	2	5	77	2	1	5	2.5	0.205	5	**91.428**	1	85.547	0	1	0.788
	November 2021	1.642	5.000	74.818	2.000	1.000	5.000	2.500	0.186	5.000	**88.77**	1.000	79.201 90.962 (N=8)	0.000	1.000	0.674
	May 2022	1.678	0.500	72.596	0.100	1.000	5.000	0.500	0.203	5.000	**90.725**	1.000	62.838 69.064 (N=7)	1.201	0.500	0.767
	November 2022	DRY WELL; NOT SAMPLED														
	April 2023	1.854	0.5	69.285	0.1	1	5	0.5	0.189	5	**86.844**	1	51.603	1.216	0.5	0.767
	October 2023	DRY WELL; NOT SAMPLED														
	April 2024	1.867	0	69.053	0.1	1	5	0.128	0.138	5	**73.666**	1	43.668	0	0.5	0.819
	October 2024	DRY WELL; NOT SAMPLED														

Table 1: 95% LCL Compared to GWPS
Shallow Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	5.8	70.0224	0.2	2	10	5.8	0.1	10	20	2	10	1	1	1.78
MW-11S	September 2018	2	**72**	64	2	1	5	2.5	0.272	5	**101.369**	1	**240.525**	4	1	0.542
	May 2019	1	**60**	61	2	1	5	2.5	0.222	5	**102.944**	1	**163.624**	5	1	0.710
	November 2019	1	**60**	61	2	1	5	2.5	0.222	5	**102.944**	1	**163.624**	5	1	0.710
	May 2020	2	**61**	62	2	1	5	2.5	0.212	5	**103.225**	1	**108.327**	6	1	0.956
	November 2020	1	**58**	57	2	1	5	2.5	0.189	5	**101.614**	1	61.569	4	1	0.786
	May 2021	1	**80**	77	2	1	5	2.5	0.166	5	**103.787**	1	58.408	4	1	0.658
	November 2021	1.362	**78.834**	86.488	2.000	1.000	5.000	2.500	0.144	5.000	**107.603**	1.000	57.392 98.452 (N=8)	3.606	1.000	0.651
	May 2022	1.366	**77.351**	89.461	0.100	1.000	5.000	0.500	0.145	5.000	**99.568**	1.000	70.119 67.929 (N=7)	3.631	0.500	0.767
	November 2022	1.304	**52.554**	85.433	2.000	1.000	5.000	0.500	0.145	5.000	**98.178**	1.000	58.590	8.410	1.000	0.671
	April 2023	1.316	**44.759**	67.048	2.000	1.000	5.000	0.500	0.150	5.000	**57.744**	1.000	52.767	8.454	1.000	0.671
	October 2023	DRY WELL; NOT SAMPLED														
	April 2024	1.282	**44.54**	57.64	0.1	1	5	0.5	0.169	5	29.866 **77.743 (N=8)**	1	52.937	9.652	0.5	0.765
	October 2024	1.266	**46.052**	66.081	2.000	1.000	5.000	0.5	0.146	5.000	29.03 **75.531 (N=8)**	1.000	29.895	7.53	1.000	0.847
MW-12S	September 2018	1	1	76	2	1	5	2.5	0.305	5	**83.403**	1	53.488	2	1	0.378
	May 2019	1	0	84	2	1	5	2.5	0.262	5	**85.346**	1	40.399	0	1	0.289
	November 2019	1	0	84	2	1	5	2.5	0.262	5	**85.346**	1	40.399	0	1	0.289
	May 2020	1	1	85	2	1	5	2.5	0.221	5	**86.126**	1	37.671	0	1	0.257
	November 2020	1	1	83	2	1	5	2.5	0.219	5	**85.287**	1	40.495	3	1	0.435
	May 2021	1	0	100	2	1	5	2.5	0.221	5	**99.225**	1	41.986	10	1	0.795
	November 2021	1.198	0.349	100.300	2.000	1.000	5.000	2.500	0.203	5.000	**112.428**	1.000	35.693	5.598	1.000	0.600
	May 2022	1.198	0.269	100.764	2.000	1.000	5.000	0.500	0.215	5.000	**112.428**	1.000	20.149	12.888	1.000	0.523
	November 2022	1.234	0.314	102.973	2.000	1.000	5.000	0.500	0.212	5.000	**110.825**	1.000	16.402	8.453	1.000	0.440
	April 2023	1.416	1.374	119.843	2.000	1.000	5.000	0.500	0.221	5.000	**99.932**	1.000	23.970	6.055	1.000	0.459
	October 2023	1.346	0.489	117.356	2.000	1.000	5.000	0.500	0.205	5.000	**99.932**	1.000	14.829	8.026	1.000	0.595
	April 2024	1.412	1.045	109.179	0.100	1.000	5.000	0.094	0.204	5.000	**103.177**	1.000	17.241	9.678	0.500	0.737
	October 2024	1.533	2.318	118.957	2.000	1.000	5.000	0.094	0.168	5.000	**98.493**	1.000	13.524	10.452	1.000	0.685

Table 1: 95% LCL Compared to GWPS
Shallow Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	5.8	70.0224	0.2	2	10	5.8	0.1	10	20	2	10	1	1	1.78

Notes:
MCL - Maximum Contaminant Level based on National Primary Drinking Water Regulations
GWPS - Groundwater Protection Standard
LCL = Lower Confidence Limit
(TREND) = N=4 LCL result for data with trend, utilizing mean.
(MED) = Trend in data detected; LCL calculated utilizing median rather than mean.
Bold font with gray shading indicates 95% LCL of the mean of the last four measurements that is in exceedance of GWPS.
Bold font with green shading indicates 95% LCL of the mean of the last eight measurements that is in exceedance of GWPS.
Bold font with gold shading indicates 95% LCL of the mean based on a qualitative evaluation of dataset that may or may not have triggered a mean/LCL conflict but visually warranted evaluation of a larger dataset.
ug/L = micrograms per liter (ppb)
mg/L = milligrams per liter (ppm)
Std. Units = Standard Units
*USEPA'S *Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coal Combustion Residuals from Electric Utilities;* effective August 29, 2018 (page 36444).
Background prediction limits are re-calculated after each sampling event. If a background prediction limit value is utilized as the GWPS, the GWPS for the current summary may be different from previous events.
The 95% LCL statistic is based on the rolling set of the four most recent individual sample results for a parameter.
LCL calculations utilize 1/2 the median non-detect (ND) reporting limit (RL) from the full date range of non-detect sample results. If RL levels changed over time, the current calculated LCL value may be larger than the most recent four ND results.
DUMPStat summary table output limits the number of significant digits reported for a calculated LCL. An exceedingly small calculated LCL value (e.g. 0.00001 mg/L) may simply be reported as 0 in the output summary.
Reporting units of measure for certain constituents in DUMPStat output tables were changed from units of mg/L (ppm) to ug/L (ppb) beginning with November 2021 LCL analysis to allow for reporting of calculated LCLs to more significant digits.
Table updated to include October 2024 assessment sampling results.

Table 2: 95% LCL Compared to GWPS
Intermediate Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	2	50.8125	0.2	2	10	1	0.1	10	20	2	10	1	1	1.6425
MW-1I	September 2018	3	5	49	2	1	5	2.5	0.295	5	**90.977**	1	99.499	5	1	1.468
	May 2019	3	5	54	2	1	5	2.5	0.287	5	**95.151**	1	99.201	5	1	1.389
	November 2019	3	5	55	2	1	5	2.5	0.297	5	**95.543**	1	**100.675**	5	1	1.333
	May 2020	3	5	54	2	1	5	2.5	0.297	5	**95.610**	1	**101.141**	5	1	1.421
	November 2020	3	5	54	2	1	5	2.5	0.312	5	**91.878**	1	**101.062**	5	1	1.34
	May 2021	3	5	54	2	1	5	2.5	0.267	5	**86.999**	1	96.761	5	1	1.358
	November 2021	0.500	0.500	51.170	2.000	1.000	5.000	0.500	0.254	5.000	**85.368**	1.000	96.858 **101.612 (N=8)**	0.500	1.000	0.906
	May 2022	0.500	0.500	51.044	0.100	1.000	5.000	0.500	0.261	5.000	**86.356**	1.000	94.541 99.709 (N=7)	0.500	0.500	0.73
	November 2022	0.500	0.500	43.446	0.100	1.000	5.000	0.500	0.258	5.000	**86.026**	1.000	87.328	0.500	0.500	0.739
	April 2023	0.500	0.500	42.332	0.100	1.000	5.000	0.500	0.270	5.000	**85.751**	1.000	83.614	0.500	0.500	0.744
	October 2023	0.500	0.500	47.205	2.000	1.000	5.000	0.500	0.258	5.000	**84.393**	1.000	80.987	0.500	1.000	1.221
	April 2024	0.500	0.500	39.920	0.100	1.000	5.000	0.500	0.255	5.000	**75.355**	1.000	81.174 88.621 (N=8)	0.500	0.500	1.221
	October 2024	0.500	0.500	41.879	2.000	1.000	5.000	0.500	0.255	5.000	**73.999**	1.000	82.063 87.742 (N=8)	0.500	1.000	0.989
MW-2I	September 2018	3	5	54	2	1	5	2.5	0.276	5	**68.523**	1	58.757	5	1	1.822
	May 2019	3	5	51	2	1	5	2.5	0.270	5	**68.634**	1	56.590	5	1	1.620
	November 2019	3	5	55	2	1	5	2.5	0.268	5	**69.665**	1	55.609	5	1	1.642
	May 2020	3	5	55	2	1	5	2.5	0.271	5	**69.042**	1	56.957	5	1	1.988
	November 2020	3	5	59	2	1	5	2.5	0.283	5	**63.545**	1	62.021	5	1	1.177
	May 2021	3	5	58	2	1	5	2.5	0.198	5	**56.314**	1	62.455	5	1	0.875
	November 2021	0.500	3.743	59.482	2.000	1.000	5.000	0.500	0.198	5.000	**51.013**	1.000	58.142	0.500	1.000	0.872
	May 2022	0.500	0	64.2	2.000	1.000	5.000	0.500	0.196	5.000	**48.393**	1.000	58.127	0.500	1.000	0.839
	November 2022	0.500	0.000	59.712	2.000	1.000	5.000	0.500	0.189	5.000	**47.845**	1.000	56.972	0.500	1.000	1.166
	April 2023	0.500	0.000	61.626	2.000	1.000	5.000	0.500	0.245	5.000	**46.410**	1.000	55.265	0.500	1.000	1.206
	October 2023	0.500	0.500	64.692	2.000	1.000	5.000	0.500	0.245	5.000	**35.195 41.635 (N=6)**	1.000	59.744	0.500	1.000	1.191
	April 2024	0.500	0.500	66.087	0.100	1.000	5.000	0.500	0.233	5.000	28.609 36.207 (N=6)	0.100	60.704	0.500	0.500	0.973
	October 2024	0.500	0.500	62.523 (TREND) 58.12 (MED)	2.000	1.000	5.000	0.500	0.261	5.000	25.313 (TREND) 22.036 (MED)	1.000	72.814	0.500	1.000	0.868
MW-3I	September 2018	3	5	55	2	1	5	2.5	0.253	5	36.266	1	54.444	5	1	1.310
	May 2019	3	5	53	2	1	5	2.5	0.255	5	22.662	1	60.185	5	1	1.032
	November 2019	3	5	51	2	1	5	2.5	0.255	5	9.759	1	73.297	5	1	0.919
	May 2020	3	5	52	2	1	5	2.5	0.255	5	11.269	1	73.503	5	1	0.926
	November 2020	3	5	53	2	1	5	2.5	0.283	5	6.642	1	69.134	5	1	0.839
	May 2021	3	5	44	2	1	5	2.5	0.182	5	6.179	1	60.599	5	1	0.734
	November 2021	0.500	0.500	52.140	2.000	1.000	5.000	0.500	0.163	5.000	8.031 13.184 (N=8)	1.000	56.279	0.500	1.000	0.714
	May 2022	0.500	0.500	65.252	0.100	1.000	5.000	0.500	0.163	5.000	8.073	1.000	57.062	0.500	0.500	0.799
	November 2022	0.500	0.500	85.636	2.000	1.000	5.000	0.500	0.163	5.000	11.765	1.000	56.567	0.500	1.000	0.831
	April 2023	0.500	0.500	66.205	2.000	1.000	5.000	0.500	0.228	5.000	11.765	1.000	55.350	0.500	1.000	0.806
	October 2023	0.500	0.500	52.626	2.000	1.000	5.000	0.500	0.276	5.000	7.988	1.000	53.420	0.500	1.000	0.944
	April 2024	0.500	0.500	53.454	0.100	1.000	5.000	0.500	0.286	5.000	6.111	1.000	43.170	0.500	0.500	0.807
	October 2024	0.500	0.500	49.947	2.000	1.000	5.000	0.500	0.321	5.000	10.000	1.000	36.783 (TREND) 34.105 (MED)	0.500	1.000	0.691

Table 2: 95% LCL Compared to GWPS
Intermediate Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	2	50.8125	0.2	2	10	1	0.1	10	20	2	10	1	1	1.6425
MW-6I	September 2018	3	5	39	2	1	5	2.5	0.220	5	**87.713**	1	**173.703**	5	1	1.870
	May 2019	3	5	39	2	1	5	2.5	0.207	5	**88.502**	1	**162.008**	5	1	0.817
	November 2019	3	5	39	2	1	5	2.5	0.225	5	**89.538**	1	**155.270**	5	1	0.893
	May 2020	3	5	44	2	1	5	2.5	0.241	5	**89.985**	1	**169.841**	5	1	0.848
	November 2020	3	5	49	2	1	5	2.5	0.235	5	**99.601**	1	**167.176**	5	1	0.709
	May 2021	3	5	49	2	1	5	2.5	0.24	5	**95.914**	1	**188.346**	5	1	1.066
	November 2021	0.500	0.500	46.877	2.000	1.000	5.000	0.500	0.244	5.000	**103.485**	1.000	**208.561**	0.500	1.000	1.066
	May 2022	0.500	0.500	48.578	2.000	1.000	5.000	0.500	0.262	5.000	**103.253**	1.000	**210.081**	0.500	1.000	0.9
	November 2022	0.500	0.500	54.518	2.000	1.000	5.000	0.500	0.262	5.000	**100.907**	1.000	**192.596**	0.500	1.000	1.161
	April 2023	0.500	0.500	61.461	2.000	1.000	5.000	0.500	0.266	5.000	**99.226**	1.000	**174.124**	0.500	1.000	1.358
	October 2023	0.500	0.500	62.580	2.000	1.000	5.000	0.500	0.279	5.000	**96.773**	1.000	**158.124**	0.500	1.000	1.405
	April 2024	0.500	0.500	68.099	0.100	1.000	5.000	0.500	0.280	5.000	**98.456**	1.000	**156.254**	0.500	0.500	1.600
	October 2024	0.500	0.500	71.014 (TREND) 68.588 (MED)	2.000	1.000	5.000	0.331	0.268	5.000	**95.390 (TREND) 92.263 (MED)**	1.000	**126.722**	0.500	1.000	1.553
MW-11I	September 2018	3	5	64	2	1	5	2.5	0.303	5	**104.856**	1	**164.551**	5	1	1.823
	May 2019	3	5	63	2	1	5	2.5	0.293	5	**103.556**	1	**163.193**	5	1	1.727
	November 2019	3	2	62	2	1	5	2.5	0.296	5	**101.843**	1	**157.499**	5	1	1.198
	May 2020	3	0	56	2	1	5	2.5	0.29	5	**100.971**	1	**157.499**	5	1	1.053
	November 2020	3	0	45	2	1	5	2.5	0.328	5	**94.623**	1	**157.226**	5	1	0.886
	May 2021	3	1	44	2	1	5	2.5	0.35	5	**94.299**	1	**151.016**	5	1	0.977
	November 2021	0.500	0.000	44.085	2.000	1.000	5.000	0.500	0.358	5.000	**92.878**	1.000	**147.090**	0.500	1.000	1.067
	May 2022	0.500	0.519	42.767	2.000	1.000	5.000	0.500	0.356	5.000	**92.878**	1.000	**144.586**	0.500	1.000	1.118
	November 2022	0.500	0.802	47.509	2.000	1.000	5.000	0.500	0.357	5.000	**101.284**	1.000	**130.520**	0.500	1.000	0.999
	April 2023	0.500	0.673	46.457	2.000	1.000	5.000	0.500	0.361	5.000	**95.756**	1.000	**123.722**	0.500	1.000	0.686
	October 2023	0.500	0.112	45.811	2.000	1.000	5.000	0.500	0.385	5.000	**94.538**	1.000	**117.757**	0.500	1.000	0.577
	April 2024	0.500	0.112	48.930	0.100	1.000	5.000	0.500	0.382	5.000	**88.558**	1.000	**122.815**	0.500	0.500	0.417
	October 2024	0.500	0.571	52.046	2.000	1.000	5.000	0.500	0.382	5.000	**91.414**	1.000	**116.780**	0.500	1.000	0.564

Notes:
MCL - Maximum Contaminant Level based on National Primary Drinking Water Regulations
GWPS - Groundwater Protection Standard
LCL = Lower Confidence Limit
(TREND) = N=4 LCL result for data with trend, utilizing mean.
(MED) = Trend in data detected; LCL calculated utilizing median rather than mean.
Bold font with gray shading indicates 95% LCL of the mean of the last four measurements that is in exceedance of GWPS.
Bold font with green shading indicates 95% LCL of the mean of the last eight measurements that is in exceedance of GWPS.
Bold font with gold shading indicates 95% LCL of the mean based on a qualitative evaluation of dataset that may or may not have triggered a mean/LCL conflict but visually warranted evaluation of a larger dataset.
ug/L = micrograms per liter (ppb)
mg/L = milligrams per liter (ppm)
Std. Units = Standard Units
*USEPA'S *Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coal Combustion Residuals from Electric Utilities;* effective August 29, 2018 (page 36444).
Background prediction limits are re-calculated after each sampling event. If a background prediction limit value is utilized as the GWPS, the GWPS for the current summary may be different from previous events.
The 95% LCL statistic is based on the rolling set of the four most recent individual sample results for a parameter.
LCL calculations utilize 1/2 the median non-detect (ND) reporting limit (RL) from the full date range of non-detect sample results. If RL levels changed over time, the current calculated LCL value may be larger than the most recent four ND results.
DUMPStat summary table output limits the number of significant digits reported for a calculated LCL. An exceedingly small calculated LCL value (e.g. 0.00001 mg/L) may simply be reported as 0 in the output summary.
Reporting units of measure for certain constituents in DUMPStat output tables were changed from units of mg/L (ppm) to ug/L (ppb) beginning with November 2021 LCL analysis to allow for reporting of calculated LCLs to more significant digits.
Table updated to include October 2024 assessment sampling results.

Table 3: 95% LCL Compared to GWPS
Deep Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	1.3	72.0416	0.2	2	10	1.2	0.12	10	20	2	10	1.3	1	2.2492
MW-1D	September 2018	3	1	68	2	1	5	2.5	0.322	5	**88.543**	1	**107.001**	5	1	1.191
	May 2019	3	0	68	2	1	5	2.5	0.313	5	**88.724**	1	**106.551**	5	1	1.241
	November 2019	3	1	67	2	1	5	2.5	0.325	5	**87.806**	1	**106.551**	5	1	0.852
	May 2020	3	1	65	2	1	5	2.5	0.325	5	**87.616**	1	**112.025**	5	1	0.884
	November 2020	3	1	59	2	1	5	2.5	0.353	5	**83.667**	1	**113.599**	5	1	0.741
	May 2021	3	2	56	2	1	5	2.5	0.320	5	**80.921**	1	**107.008**	5	1	0.897
	November 2021	0.500	1.375	57.460	2.000	1.000	5.000	0.500	0.293	5.000	**80.908**	1.000	**106.239**	0.500	1.000	0.832
	May 2022	0.500	1.859	58.295	2.000	1.000	5.000	0.500	0.288	5.000	**79.923**	1.000	**103.545**	0.500	1.000	0.425
	November 2022	0.500	1.804	58.039	2.000	1.000	5.000	0.500	0.285	5.000	**78.741**	1.000	**100.285**	0.500	1.000	0.366
	April 2023	0.500	1.484	58.522	2.000	1.000	5.000	0.500	0.295	5.000	**80.510**	1.000	95.767 **103.288 (N=8)**	0.500	1.000	0.392
	October 2023	0.500	1.682	58.776	2.000	1.000	5.000	0.500	0.307	5.000	**80.456**	1.000	92.311 96.156 (N=6)	0.500	1.000	0.604
	April 2024	0.500	1.640	57.233	0.100	1.000	5.000	0.500	0.313	5.000	**79.362**	0.100	92.301 93.699 (N=5)	0.500	0.500	0.912
	October 2024	0.500	1.592	57.866	2.000	1.000	5.000	0.500	0.313	5.000	**81.167**	1.000	86.369	0.500	1.000	1.406
MW-2D	September 2018	3	3	42	2	1	5	2.5	0.290	5	**72.668**	1	**103.757**	5	1	1.668
	May 2019	3	3	40	2	1	5	2.5	0.289	5	**71.147**	1	92.570	5	1	1.351
	November 2019	3	3	42	2	1	5	2.5	0.295	5	**69.227**	1	85.261	5	1	1.382
	May 2020	3	3	42	2	1	5	2.5	0.293	5	**68.124**	1	90.588	5	1	1.387
	November 2020	3	3	48	2	1	5	2.5	0.32	5	**55.784**	1	78.723	5	1	0.953
	May 2021	3	3	50	2	1	5	2.5	0.214	5	**47.570**	1	67.418	5	1	0.770
	November 2021	0.500	3.491	56.257	2.000	1.000	5.000	0.500	0.200	5.000	**43.140**	1.000	62.003 76.519 (N=8)	0.500	1.000	0.768
	May 2022	0.500	1.042	61.939	0.100	1.000	5.000	0.500	0.199	5.000	**49.633**	1.000	59.692	0.500	0.500	0.802
	November 2022	0.500	1.048	65.920	0.100	1.000	5.000	0.500	0.204	5.000	**49.076**	1.000	53.602	0.500	0.500	0.723
	April 2023	0.500	1.035	65.171	0.100	1.000	5.000	0.500	0.265	5.000	**47.875**	1.000	46.847	0.500	0.500	0.613
	October 2023	0.500	3.546	62.554	0.100	1.000	5.000	0.500	0.279	5.000	**36.939** **42.106 (N=6)**	1.000	45.336	0.500	0.500	0.630
	April 2024	0.500	3.801	62.280	0.100	1.000	5.000	0.500	0.283	5.000	32.08 38.14 (N=6)	0.100	42.850	0.500	0.500	0.650
	October 2024	0.500	3.841	61.623	2.000	1.000	5.000	0.500	0.291	5.000	27.446 (TREND) 25.369 (MED)	1.000	35.662	0.500	1.000	0.811
MW-6D	September 2018	3	5	48	2	1	5	2.5	0.107	5	**90.432**	1	**192.856**	5	1	0.758
	May 2019	3	5	48	2	1	5	2.5	0.107	5	**92.149**	1	**190.163**	5	1	1.004
	November 2019	3	5	48	2	1	5	2.5	0.112	5	**90.092**	1	**176.356**	5	1	0.968
	May 2020	3	5	51	2	1	5	2.5	0.117	5	**88.906**	1	**176.534**	5	1	1.265
	November 2020	3	5	50	2	1	5	2.5	0.129	5	**82.687**	1	**175.267**	5	1	1.098
	May 2021	3	5	48	2	1	5	2.5	0.129	5	**80.284**	1	**174.337**	5	1	0.994
	November 2021	0.500	0.500	48.419	2.000	1.000	5.000	0.500	0.135	5.000	**78.871**	1.000	**187.994**	0.500	1.000	0.931
	May 2022	0.229	0.500	48.469	2.000	1.000	5.000	0.500	0.157	5.000	**80.281**	1.000	**201.327**	0.500	1.000	0.924
	November 2022	0.229	0.500	51.647	2.000	1.000	5.000	0.500	0.161	5.000	**80.023**	1.000	**201.327**	0.500	1.000	0.827
	April 2023	0.229	0.500	55.453	2.000	1.000	5.000	0.500	0.172	5.000	**71.491**	1.000	**198.895**	0.500	1.000	0.818
	October 2023	0.229	0.500	57.251	2.000	1.000	5.000	0.500	0.166	5.000	**68.663**	1.000	**203.944**	0.500	1.000	0.787
	April 2024	0.500	0.094	58.606	0.100	1.000	5.000	0.500	0.157	5.000	**66.814**	1.000	**198.165**	0.500	0.500	0.781
	October 2024	0.500	0.094	58.008	2.000	1.000	5.000	0.500	0.161	5.000	**69.739**	1.000	**197.991**	0.500	1.000	0.729

Table 3: 95% LCL Compared to GWPS
Deep Zone
Multiunit Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0001

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4	5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-	-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through October 2024)	1	1.3	72.0416	0.2	2	10	1.2	0.12	10	20	2	10	1.3	1	2.2492
MW-11D	September 2018	3	0	30	2	1	0	0	0.168	0	**75.647**	1	**160.572**	5	1	0.976
	May 2019	3	5	67	2	1	0	2.5	0.173	0	**83.997**	1	**158.480**	5	1	0.936
	November 2019	3	5	68	2	1	0	2.5	0.175	0	**84.526**	1	**153.252**	5	1	0.901
	May 2020	3	5	64	2	1	5	2.5	0.169	5	**84.647**	1	**155.670**	5	1	0.778
	November 2020	3	5	54	2	1	5	2.5	0.192	5	**86.900**	1	**163.226**	5	1	0.763
	May 2021	3	5	50	2	1	5	0.5	0.207	5	**83.277**	1	**163.168**	5	1	0
	November 2021	0.500	4.569	51.020	2.000	1.000	5.000	0.500	0.231	5.000	**80.633**	1.000	**168.951**	0.500	1.000	0
	May 2022	0.500	4.487	50.747	2.000	1.000	5.000	0.500	0.222	5.000	**82.424**	1.000	**166.226**	0.500	1.000	0
	November 2022	0.500	4.721	52.039	2.000	1.000	5.000	0.500	0.228	5.000	**80.960**	1.000	**159.316**	0.500	1.000	0.000
	April 2023	0.500	4.831	51.412	2.000	1.000	5.000	0.196	0.237	5.000	**78.587**	1.000	**147.927**	0.500	1.000	0.877
	October 2023	0.500	4.864	52.200	2.000	1.000	5.000	0.196	0.273	5.000	**78.717**	1.000	**134.442**	0.500	1.000	0.733
	April 2024	0.500	4.441	57.867	0.100	1.000	5.000	0.196	0.260	5.000	**78.791**	1.000	**123.442**	0.500	0.500	0.736
	October 2024	0.500	4.212	59.717 TREND) 59.242 (MED)	2.000	1.000	5.000	0.196	0.269	5.000	**77.913**	1.000	**117.434 (TREND) 114.432 (MED)**	0.500	1.000	0.990

Notes:
MCL - Maximum Contaminant Level based on National Primary Drinking Water Regulations
GWPS - Groundwater Protection Standard
LCL = Lower Confidence Limit
(TREND) = N=4 LCL result for data with trend, utilizing mean.
(MED) = Trend in data detected; LCL calculated utilizing median rather than mean.
Bold font with gray shading indicates 95% LCL of the mean of the last four measurements that is in exceedance of GWPS.
Bold font with green shading indicates 95% LCL of the mean of the last eight measurements that is in exceedance of GWPS.
Bold font with gold shading indicates 95% LCL of the mean based on a qualitative evaluation of dataset that may or may not have triggered a mean/LCL conflict but visually warranted evaluation of a larger dataset.
ug/L = micrograms per liter (ppb)
mg/L = milligrams per liter (ppm)
Std. Units = Standard Units
*USEPA'S *Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coal*
Background prediction limits are re-calculated after each sampling event. If a background prediction limit value is utilized as the GWPS, the GWPS for the current summary may be different from previous events.
The 95% LCL statistic is based on the rolling set of the four most recent individual sample results for a parameter.
LCL calculations utilize 1/2 the median non-detect (ND) reporting limit (RL) from the full date range of non-detect sample results. If RL levels changed over time, the current calculated LCL value may be larger than the most recent four ND results.
DUMPStat summary table output limits the number of significant digits reported for a calculated LCL. An exceedingly small calculated LCL value (e.g. 0.00001 mg/L) may simply be reported as 0 in the output summary.
Reporting units of measure for certain constituents in DUMPStat output tables were changed from units of mg/L (ppm) to ug/L (ppb) beginning with November 2021 LCL analysis to allow for reporting of calculated LCLs to more significant digits.
Table updated to include October 2024 assessment sampling results.

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Antimony, Total	ug/L	MW-10S	4	2.300	0.115	1.176	2.164	2.436	6.000		
Antimony, Total	ug/L	MW-11S	4	1.350	0.058	1.176	1.282	1.418	6.000		
Antimony, Total	ug/L	MW-12S	4	1.725	0.299	1.176	1.374	2.076	6.000		
Antimony, Total	ug/L	MW-1S	4	1.350	0.645	1.176	0.591	2.109	6.000		
Antimony, Total	ug/L	MW-26S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-4S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	4	1.000	0.356	1.176	0.581	1.419	6.000		
Antimony, Total	ug/L	MW-7S	4	2.575	0.330	1.176	2.186	2.964	6.000		
Antimony, Total	ug/L	MW-8S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Arsenic, Total	ug/L	MW-10S	4	0.900	0.800	1.176	0.000	1.841	10.000		
Arsenic, Total	ug/L	MW-11S	4	58.825	13.358	1.176	43.112	74.538	10.000		**
Arsenic, Total	ug/L	MW-12S	4	1.900	2.131	1.176	0.000	4.406	10.000		
Arsenic, Total	ug/L	MW-1S	4	3.425	1.078	1.176	2.157	4.693	10.000		
Arsenic, Total	ug/L	MW-26S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-2S	4	7.575	2.865	1.176	4.205	10.945	10.000		
Arsenic, Total	ug/L	MW-3S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-4S	4	4.000	1.924	1.176	1.737	6.263	10.000		
Arsenic, Total	ug/L	MW-6S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-7S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-8S	4	3.050	2.027	1.176	0.665	5.435	10.000		
Arsenic, Total	ug/L	MW-9S	4	10.525	6.724	1.176	2.616	18.434	10.000		
Barium, Total	ug/L	MW-10S	4	79.900	12.619	1.176	65.056	94.744	2000.000		
Barium, Total	ug/L	MW-11S	4	101.250	27.533	1.176	68.863	133.637	2000.000		
Barium, Total	ug/L	MW-12S	4	141.750	24.005	1.176	113.513	169.987	2000.000		
Barium, Total	ug/L	MW-1S	4	70.600	9.169	1.176	59.814	81.386	2000.000		
Barium, Total	ug/L	MW-26S	4	40.750	5.875	1.176	33.839	47.661	2000.000		
Barium, Total	ug/L	MW-2S	4	115.000	5.944	1.176	108.008	121.992	2000.000		
Barium, Total	ug/L	MW-3S	4	101.800	16.446	1.176	82.454	121.146	2000.000		
Barium, Total	ug/L	MW-4S	4	97.800	55.168	1.176	32.906	162.694	2000.000		
Barium, Total	ug/L	MW-6S	4	75.975	31.130	1.176	39.357	112.593	2000.000		
Barium, Total	ug/L	MW-7S	4	56.925	21.685	1.176	31.417	82.433	2000.000		
Barium, Total	ug/L	MW-8S	4	102.325	15.630	1.176	83.940	120.710	2000.000		
Barium, Total	ug/L	MW-9S	4	148.200	38.960	1.176	102.372	194.028	2000.000		
Boron, Total	ug/L	MW-10S	4	6040.000	1004.357	1.176	4858.586	7221.414	4000.000	dec	**
Boron, Total	ug/L	MW-11S	4	1173.750	330.150	1.176	785.399	1562.101	4000.000		
Boron, Total	ug/L	MW-12S	4	5360.000	1855.820	1.176	3177.021	7542.979	4000.000	dec	
Boron, Total	ug/L	MW-1S	4	1479.500	878.275	1.176	446.396	2512.604	4000.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Boron, Total	ug/L	MW-26S	4	3620.000	506.294	1.176	3024.452	4215.548	4000.000	dec	
Boron, Total	ug/L	MW-2S	4	429.500	94.172	1.176	318.727	540.273	4000.000		
Boron, Total	ug/L	MW-3S	4	453.000	222.690	1.176	191.053	714.947	4000.000		
Boron, Total	ug/L	MW-4S	4	3104.000	3019.942	1.176	0.000	6656.323	4000.000		
Boron, Total	ug/L	MW-6S	4	5634.500	3943.783	1.176	995.473	10273.527	4000.000		
Boron, Total	ug/L	MW-7S	4	2892.500	966.243	1.176	1755.920	4029.080	4000.000		
Boron, Total	ug/L	MW-8S	4	1672.500	894.702	1.176	620.072	2724.928	4000.000		
Boron, Total	ug/L	MW-9S	4	4180.500	2376.336	1.176	1385.243	6975.757	4000.000		
Cobalt, Total	ug/L	MW-10S	4	0.775	0.550	1.176	0.128	1.422	6.000		
Cobalt, Total	ug/L	MW-11S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-12S	4	0.800	0.600	1.176	0.094	1.506	6.000		
Cobalt, Total	ug/L	MW-1S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-26S	4	2.800	0.432	1.176	2.292	3.308	6.000	dec	
Cobalt, Total	ug/L	MW-2S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-3S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-6S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-7S	4	0.900	0.462	1.176	0.357	1.443	6.000		
Cobalt, Total	ug/L	MW-8S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-9S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Fluoride	mg/L	MW-10S	4	0.185	0.041	1.176	0.137	0.233	4.000		
Fluoride	mg/L	MW-11S	4	0.183	0.031	1.176	0.146	0.219	4.000		
Fluoride	mg/L	MW-12S	4	0.220	0.044	1.176	0.168	0.272	4.000		
Fluoride	mg/L	MW-1S	4	0.105	0.075	1.176	0.016	0.194	4.000		
Fluoride	mg/L	MW-26S	4	0.343	0.063	1.176	0.268	0.417	4.000		
Fluoride	mg/L	MW-2S	4	0.195	0.026	1.176	0.164	0.226	4.000		
Fluoride	mg/L	MW-3S	4	0.260	0.058	1.176	0.192	0.328	4.000		
Fluoride	mg/L	MW-4S	4	0.315	0.072	1.176	0.230	0.400	4.000		
Fluoride	mg/L	MW-6S	4	0.240	0.050	1.176	0.181	0.299	4.000		
Fluoride	mg/L	MW-7S	4	0.050	0.000	1.176	0.050	0.050	4.000		
Fluoride	mg/L	MW-8S	4	0.345	0.178	1.176	0.135	0.555	4.000		
Fluoride	mg/L	MW-9S	4	0.458	0.228	1.176	0.189	0.726	4.000		
Lithium, Total	ug/L	MW-10S	4	91.225	14.608	1.176	74.042	108.408	40.000		**
Lithium, Total	ug/L	MW-11S	4	67.425	23.951	1.176	39.252	95.598	40.000		
Lithium, Total	ug/L	MW-12S	4	118.875	18.701	1.176	96.877	140.873	40.000		**
Lithium, Total	ug/L	MW-1S	4	67.100	10.502	1.176	54.747	79.453	40.000		**
Lithium, Total	ug/L	MW-26S	4	98.925	14.500	1.176	81.868	115.982	40.000		**
Lithium, Total	ug/L	MW-2S	4	29.075	12.739	1.176	14.090	44.060	40.000		
Lithium, Total	ug/L	MW-3S	4	12.500	5.000	1.176	6.619	18.381	40.000		
Lithium, Total	ug/L	MW-4S	4	82.250	83.436	1.176	0.000	180.395	40.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lithium, Total	ug/L	MW-6S	4	67.775	38.626	1.176	22.339	113.211	40.000		
Lithium, Total	ug/L	MW-7S	4	67.950	14.189	1.176	51.259	84.641	40.000		**
Lithium, Total	ug/L	MW-8S	4	50.850	30.117	1.176	15.424	86.276	40.000		
Lithium, Total	ug/L	MW-9S	4	121.500	74.514	1.176	33.850	209.150	40.000		
Molybdenum, Total	ug/L	MW-10S	4	52.575	6.607	1.176	44.804	60.346	100.000		
Molybdenum, Total	ug/L	MW-11S	4	46.675	21.232	1.176	21.700	71.650	100.000		
Molybdenum, Total	ug/L	MW-12S	4	26.500	12.630	1.176	11.644	41.356	100.000		
Molybdenum, Total	ug/L	MW-1S	4	26.025	12.591	1.176	11.214	40.836	100.000		
Molybdenum, Total	ug/L	MW-26S	4	162.500	38.794	1.176	116.867	208.133	100.000		**
Molybdenum, Total	ug/L	MW-2S	4	12.250	5.662	1.176	5.590	18.910	100.000		
Molybdenum, Total	ug/L	MW-3S	4	37.175	11.048	1.176	24.179	50.171	100.000		
Molybdenum, Total	ug/L	MW-4S	4	121.625	86.808	1.176	19.514	223.736	100.000		
Molybdenum, Total	ug/L	MW-6S	4	86.325	3.822	1.176	81.829	90.821	100.000		
Molybdenum, Total	ug/L	MW-7S	4	23.050	3.793	1.176	18.588	27.512	100.000	dec	
Molybdenum, Total	ug/L	MW-8S	4	89.575	66.830	1.176	10.964	168.186	100.000		
Molybdenum, Total	ug/L	MW-9S	4	232.150	143.769	1.176	63.037	401.263	100.000		
Selenium, Total	ug/L	MW-10S	4	15.625	16.633	1.176	0.000	35.190	50.000		
Selenium, Total	ug/L	MW-11S	4	14.575	6.575	1.176	6.841	22.309	50.000		
Selenium, Total	ug/L	MW-12S	4	18.950	6.589	1.176	11.199	26.701	50.000		
Selenium, Total	ug/L	MW-1S	4	15.025	3.766	1.176	10.595	19.455	50.000		
Selenium, Total	ug/L	MW-26S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	4	6.050	4.087	1.176	1.243	10.857	50.000		
Selenium, Total	ug/L	MW-3S	4	2.500	4.000	1.176	0.000	7.205	50.000		
Selenium, Total	ug/L	MW-4S	4	2.925	1.855	1.176	0.743	5.107	50.000		
Selenium, Total	ug/L	MW-6S	4	28.450	18.233	1.176	7.003	49.897	50.000		
Selenium, Total	ug/L	MW-7S	4	20.950	4.478	1.176	15.682	26.218	50.000	dec	
Selenium, Total	ug/L	MW-8S	4	1.225	1.087	1.176	0.000	2.504	50.000		
Selenium, Total	ug/L	MW-9S	4	4.700	1.463	1.176	2.979	6.421	50.000		
Total Radium	pCi/L	MW-10S	4	1.330	0.123	1.176	1.185	1.475	5.000		
Total Radium	pCi/L	MW-11S	4	0.961	0.008	1.176	0.952	0.970	5.000		
Total Radium	pCi/L	MW-12S	4	0.800	0.000	1.176	0.800	0.801	5.000		
Total Radium	pCi/L	MW-1S	4	0.815	0.000	1.176	0.815	0.815	5.000		
Total Radium	pCi/L	MW-26S	4	1.123	0.318	1.176	0.748	1.497	5.000		
Total Radium	pCi/L	MW-2S	4	0.825	0.050	1.176	0.766	0.884	5.000		
Total Radium	pCi/L	MW-3S	4	0.970	0.000	1.176	0.970	0.970	5.000		
Total Radium	pCi/L	MW-4S	4	0.889	0.069	1.176	0.809	0.970	5.000		
Total Radium	pCi/L	MW-6S	4	1.133	0.399	1.176	0.663	1.603	5.000	inc	
Total Radium	pCi/L	MW-7S	4	1.040	0.046	1.176	0.986	1.094	5.000		
Total Radium	pCi/L	MW-8S	4	0.910	0.307	1.176	0.550	1.271	5.000		
Total Radium	pCi/L	MW-9S	4	0.879	0.082	1.176	0.783	0.975	5.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Beryllium, Total	ug/L	MW-10S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-11S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-12S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-1S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-26S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-2S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-3S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-4S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-6S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-7S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-8S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-9S	4	0.100	0.000	1.176	0.100	0.100	4.000	
Cadmium, Total	ug/L	MW-10S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-11S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-12S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-1S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-26S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-2S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-3S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-4S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-6S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-7S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-8S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-9S	4	1.000	0.000	1.176	1.000	1.000	5.000	
Chromium, Total	ug/L	MW-10S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-11S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-12S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-1S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-26S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-2S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-3S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-4S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-6S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-7S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-8S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-9S	4	5.000	0.000	1.176	5.000	5.000	100.000	
Lead, Total	ug/L	MW-10S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-11S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-12S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-1S	4	5.000	0.000	1.176	5.000	5.000	15.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Lead, Total	ug/L	MW-26S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-2S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-3S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-4S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-6S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-7S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-8S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-9S	4	5.000	0.000	1.176	5.000	5.000	15.000	
Mercury	ug/L	MW-10S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-11S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-12S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-1S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-26S	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-2S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-3S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-4S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-6S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-7S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-8S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-9S	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-10S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-11S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-12S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-1S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-26S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-2S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-3S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-4S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-6S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-7S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-8S	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-9S	4	0.500	0.000	1.176	0.500	0.500	2.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Lithium, Total	ug/L	MW-2S	6	34.050	12.946	0.822	23.404	44.696	40.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Arsenic, Total	ug/L	MW-9S	8	6.500	6.388	0.670	2.221	10.779	10.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

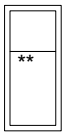
Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Boron, Total	ug/L	MW-12S	8	6290.000	3110.351	0.670	4206.645	8373.355	4000.000	
Boron, Total	ug/L	MW-6S	8	4856.000	2763.478	0.670	3004.985	6707.015	4000.000	
Boron, Total	ug/L	MW-9S	8	3015.125	2171.160	0.670	1560.853	4469.397	4000.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard



* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lithium, Total	ug/L	MW-11S	8	93.338	33.923	0.670	70.616	116.059	40.000		**
Lithium, Total	ug/L	MW-2S	8	39.937	15.732	0.670	29.400	50.475	40.000	dec	
Lithium, Total	ug/L	MW-4S	8	55.338	64.093	0.670	12.407	98.268	40.000		
Lithium, Total	ug/L	MW-6S	8	77.750	28.794	0.670	58.464	97.036	40.000		**
Lithium, Total	ug/L	MW-8S	8	46.988	23.086	0.670	31.524	62.451	40.000		
Lithium, Total	ug/L	MW-9S	8	87.113	65.959	0.670	42.933	131.292	40.000		**

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Molybdenum, Total	ug/L	MW-4S	8	86.400	69.460	0.670	39.875	132.925	100.000	
Molybdenum, Total	ug/L	MW-9S	8	173.263	125.397	0.670	89.270	257.255	100.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 12 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Molybdenum, Total	ug/L	MW-9S	12	156.892	104.721	0.518	102.625	211.159	100.000		**

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 15 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lithium, Total	ug/L	MW-4S	15	70.067	57.211	0.455	44.054	96.079	40.000		**

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-6S	Total Radium ug/L	
5/1/2023	0.745	ND - took 1/2 RL
4/4/2024	0.907	
10/3/2024	1.23	
4/10/2025	1.65	
SORTED	0.745	
	0.907	
	1.23	
	1.65	
Q1	0.826	
Q3	1.44	
IQR	0.614	
MEAN	1.133	
MEDIAN	1.0685	
N	4	
GWPS	5	
S	0.399299	
t	2.353	
LCL (MEAN)	0.663	
LCL (MEDIAN)	**0.599**	
DETERMINATION (LCL MEAN)	**BELOW GWPS**	
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**	

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-7S	**Molybdenum, total**	Selenium, total
	ug/L	ug/L
10/9/2023	28	26.8
4/10/2024	23.4	20.8
10/15/2024	21.9	20.3
4/9/2025	18.9	15.9
SORTED	18.9	15.9
	21.9	20.3
	23.4	20.8
	28	26.8
Q1	20.4	18.1
Q3	25.7	23.8
IQR	5.3	5.7
MEAN	23.05	20.95
MEDIAN	22.65	20.55
N	4	4
GWPS	100	100
S	3.793415	4.478467
t	2.353	2.353
LCL (MEAN)	18.587	15.681
LCL (MEDIAN)	**18.187**	**15.281**
DETERMINATION (LCL MEAN)	**BELOW GWPS**	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-10S	Boron, total ug/L
5/18/2022	7250
5/4/2023	6300
4/17/2024	5760
4/4/2025	4850
SORTED	4850
	5760
	6300
	7250
Q1	5305
Q3	6775
IQR	1470
MEAN	6040
MEDIAN	6030
N	4
GWPS	4000
S	1004.357174
t	2.353
LCL (MEAN)	4858.374
LCL (MEDIAN)	**4848.374**
DETERMINATION (LCL MEAN)	**EXCEEDS GWPS**
DETERMINATION (LCL MEDIAN)	**EXCEEDS GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-26S	**Boron, total**	**Cobalt, total**
	ug/L	ug/L
10/16/2023	4080	3.4
4/3/2024	3990	2.8
10/2/2024	3400	2.6
4/3/2025	3010	2.4
SORTED	3010	2.4
	3400	2.6
	3990	2.8
	4080	3.4
Q1	3205	2.5
Q3	4035	3.1
IQR	830	0.6
MEAN	3620	2.8
MEDIAN	3695	2.7
N	4	4
GWPS	4000	6
S	506.293722	0.432049
t	2.353	2.353
LCL (MEAN)	3024.345	2.292
LCL (MEDIAN)	**3099.345**	**2.192**
DETERMINATION (LCL MEAN)	**BELOW GWPS**	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-1I	Boron, total ug/L
10/11/2023	452
4/9/2024	405
10/15/2024	359
4/22/2025	328
SORTED	328
	359
	405
	452
Q1	343.5
Q3	428.5
IQR	85
MEAN	386
MEDIAN	382
N	4
GWPS	4000
S	54.191020
t	2.353
LCL (MEAN)	322.244
LCL (MEDIAN)	**318.244**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-2I	Lithium, total ug/L	
10/10/2023	32.9	
4/5/2024	31.2	
10/7/2024	29.3	
4/14/2025	10	1/2 ND RL
SORTED	10	
	29.3	
	31.2	
	32.9	
Q1	19.65	
Q3	32.05	
IQR	12.4	
MEAN	25.85	
MEDIAN	30.25	
N	4	
GWPS	40	
S	10.668489	
t	2.353	
LCL (MEAN)	13.299	
LCL (MEDIAN)	**17.699**	
DETERMINATION (LCL MEAN)	**BELOW GWPS**	
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**	

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-11I	Boron, total ug/L
10/9/2023	812
4/9/2024	634
10/15/2024	601
4/3/2025	538
SORTED	538
	601
	634
	812
Q1	569.5
Q3	723
IQR	153.5
MEAN	646.25
MEDIAN	617.5
N	4
GWPS	4000
S	117.457439
t	2.353
LCL (MEAN)	508.061
LCL (MEDIAN)	**479.311**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-10I	Barium, total ug/L
10/10/2023	64.7
4/3/2024	64.6
10/10/2024	45.5
4/4/2025	40.8
SORTED	40.8
	45.5
	64.6
	64.7
Q1	43.15
Q3	64.65
IQR	21.5
MEAN	53.9
MEDIAN	55.05
N	4
GWPS	2000
S	12.560520
t	2.353
LCL (MEAN)	39.123
LCL (MEDIAN)	**40.273**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-12I	**Boron, total**	**Barium, total**
	ug/L	ug/L
10/11/2023	2450	84.7
4/16/2024	1700	75.9
10/1/2024	1250	68
4/17/2025	984	65.6
SORTED	984	65.6
	1250	68
	1700	75.9
	2450	84.7
Q1	1117	66.8
Q3	2075	80.3
IQR	958	13.5
MEAN	1596	73.55
MEDIAN	1475	71.95
N	4	4
GWPS	4000	2000
S	641.454597	8.638094
t	2.353	2.353
LCL (MEAN)	841.329	63.387
LCL (MEDIAN)	**720.329**	**61.787**
DETERMINATION (LCL MEAN)	**BELOW GWPS**	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**	**BELOW GWPS**

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Antimony, Total	ug/L	MW-10I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-26I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-4I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Arsenic, Total	ug/L	MW-10I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-11I	4	1.225	0.544	1.176	0.585	1.865	10.000		
Arsenic, Total	ug/L	MW-12I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-26I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-4I	4	1.300	0.163	1.176	1.108	1.492	10.000		
Arsenic, Total	ug/L	MW-6I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-9I	4	0.500	0.000	1.176	0.500	0.500	10.000		
Barium, Total	ug/L	MW-10I	4	53.900	12.561	1.176	39.125	68.675	2000.000	dec	
Barium, Total	ug/L	MW-11I	4	58.150	0.790	1.176	57.221	59.079	2000.000		
Barium, Total	ug/L	MW-12I	4	73.550	8.638	1.176	63.389	83.711	2000.000	dec	
Barium, Total	ug/L	MW-1I	4	53.025	9.004	1.176	42.434	63.616	2000.000		
Barium, Total	ug/L	MW-26I	4	79.225	16.997	1.176	59.232	99.218	2000.000		
Barium, Total	ug/L	MW-2I	4	71.400	3.101	1.176	67.753	75.047	2000.000		
Barium, Total	ug/L	MW-3I	4	72.725	17.663	1.176	51.948	93.502	2000.000		
Barium, Total	ug/L	MW-4I	4	85.875	15.855	1.176	67.225	104.525	2000.000		
Barium, Total	ug/L	MW-6I	4	80.400	7.194	1.176	71.938	88.862	2000.000		
Barium, Total	ug/L	MW-9I	4	55.650	19.029	1.176	33.267	78.033	2000.000		
Boron, Total	ug/L	MW-10I	4	1385.000	190.175	1.176	1161.299	1608.701	4000.000		
Boron, Total	ug/L	MW-11I	4	646.250	117.457	1.176	508.086	784.414	4000.000	dec	
Boron, Total	ug/L	MW-12I	4	1596.000	641.455	1.176	841.464	2350.536	4000.000	dec	
Boron, Total	ug/L	MW-1I	4	386.000	54.191	1.176	322.256	449.744	4000.000	dec	
Boron, Total	ug/L	MW-26I	4	131.000	65.742	1.176	53.669	208.331	4000.000		
Boron, Total	ug/L	MW-2I	4	179.750	20.353	1.176	155.809	203.691	4000.000		
Boron, Total	ug/L	MW-3I	4	110.000	42.716	1.176	59.754	160.246	4000.000		
Boron, Total	ug/L	MW-4I	4	139.000	35.981	1.176	96.675	181.325	4000.000		
Boron, Total	ug/L	MW-6I	4	1681.500	612.608	1.176	960.896	2402.104	4000.000		
Boron, Total	ug/L	MW-9I	4	448.500	240.052	1.176	166.129	730.871	4000.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Prepared by: ATC Group Services LLC

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cobalt, Total	ug/L	MW-10I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-12I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-26I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-6I	4	0.625	0.250	1.176	0.331	0.919	6.000		
Cobalt, Total	ug/L	MW-9I	4	0.875	0.435	1.176	0.363	1.387	6.000		
Fluoride	mg/L	MW-10I	4	0.245	0.013	1.176	0.230	0.260	4.000		
Fluoride	mg/L	MW-11I	4	0.423	0.033	1.176	0.384	0.461	4.000		
Fluoride	mg/L	MW-12I	4	0.245	0.024	1.176	0.217	0.273	4.000		
Fluoride	mg/L	MW-1I	4	0.300	0.042	1.176	0.250	0.350	4.000		
Fluoride	mg/L	MW-26I	4	0.385	0.010	1.176	0.373	0.397	4.000		
Fluoride	mg/L	MW-2I	4	0.298	0.031	1.176	0.261	0.334	4.000		
Fluoride	mg/L	MW-3I	4	0.363	0.029	1.176	0.329	0.396	4.000		
Fluoride	mg/L	MW-4I	4	0.345	0.044	1.176	0.293	0.397	4.000		
Fluoride	mg/L	MW-6I	4	0.270	0.028	1.176	0.237	0.303	4.000		
Fluoride	mg/L	MW-9I	4	0.273	0.038	1.176	0.228	0.317	4.000		
Lithium, Total	ug/L	MW-10I	4	60.850	4.371	1.176	55.708	65.992	40.000		**
Lithium, Total	ug/L	MW-11I	4	98.925	6.999	1.176	90.692	107.158	40.000		**
Lithium, Total	ug/L	MW-12I	4	115.500	3.317	1.176	111.599	119.401	40.000		**
Lithium, Total	ug/L	MW-1I	4	80.425	5.537	1.176	73.911	86.939	40.000		**
Lithium, Total	ug/L	MW-26I	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2I	4	25.850	10.668	1.176	13.301	38.399	40.000	dec	
Lithium, Total	ug/L	MW-3I	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4I	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-6I	4	111.000	9.201	1.176	100.176	121.824	40.000		**
Lithium, Total	ug/L	MW-9I	4	27.425	13.725	1.176	11.281	43.569	40.000		
Molybdenum, Total	ug/L	MW-10I	4	116.500	3.697	1.176	112.151	120.849	100.000		**
Molybdenum, Total	ug/L	MW-11I	4	120.500	5.066	1.176	114.541	126.459	100.000		**
Molybdenum, Total	ug/L	MW-12I	4	152.750	10.595	1.176	140.287	165.213	100.000		**
Molybdenum, Total	ug/L	MW-1I	4	89.075	5.934	1.176	82.095	96.055	100.000		
Molybdenum, Total	ug/L	MW-26I	4	39.175	8.395	1.176	29.301	49.049	100.000		
Molybdenum, Total	ug/L	MW-2I	4	80.900	7.679	1.176	71.867	89.933	100.000		
Molybdenum, Total	ug/L	MW-3I	4	45.925	6.984	1.176	37.709	54.141	100.000		
Molybdenum, Total	ug/L	MW-4I	4	8.375	3.933	1.176	3.749	13.001	100.000		
Molybdenum, Total	ug/L	MW-6I	4	140.000	26.141	1.176	109.251	170.749	100.000		**
Molybdenum, Total	ug/L	MW-9I	4	58.675	38.556	1.176	13.322	104.028	100.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Selenium, Total	ug/L	MW-10I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-12I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-26I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-4I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-9I	4	0.500	0.000	1.176	0.500	0.500	50.000		
Total Radium	pCi/L	MW-10I	4	1.813	0.372	1.176	1.375	2.250	5.000		
Total Radium	pCi/L	MW-11I	4	1.543	0.614	1.176	0.820	2.265	5.000		
Total Radium	pCi/L	MW-12I	4	2.171	1.084	1.176	0.896	3.446	5.000		
Total Radium	pCi/L	MW-1I	4	1.286	0.273	1.176	0.965	1.608	5.000		
Total Radium	pCi/L	MW-26I	4	0.778	0.191	1.176	0.553	1.002	5.000		
Total Radium	pCi/L	MW-2I	4	1.318	0.411	1.176	0.834	1.801	5.000		
Total Radium	pCi/L	MW-3I	4	1.235	0.491	1.176	0.658	1.812	5.000		
Total Radium	pCi/L	MW-4I	4	1.298	0.501	1.176	0.709	1.886	5.000		
Total Radium	pCi/L	MW-6I	4	1.698	0.247	1.176	1.406	1.989	5.000		
Total Radium	pCi/L	MW-9I	4	0.933	0.045	1.176	0.880	0.985	5.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Beryllium, Total	ug/L	MW-10I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-11I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-12I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-1I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-26I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-2I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-3I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-4I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-6I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-9I	4	0.100	0.000	1.176	0.100	0.100	4.000	
Cadmium, Total	ug/L	MW-10I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-11I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-12I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-1I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-26I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-2I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-3I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-4I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-6I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-9I	4	1.000	0.000	1.176	1.000	1.000	5.000	
Chromium, Total	ug/L	MW-10I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-11I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-12I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-1I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-26I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-2I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-3I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-4I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-6I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-9I	4	5.000	0.000	1.176	5.000	5.000	100.000	
Lead, Total	ug/L	MW-10I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-11I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-12I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-1I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-26I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-2I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-3I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-4I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-6I	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-9I	4	5.000	0.000	1.176	5.000	5.000	15.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Mercury	ug/L	MW-10I	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-11I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-12I	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-1I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-26I	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-2I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-3I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-4I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-6I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-9I	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-10I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-11I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-12I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-1I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-26I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-2I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-3I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-4I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-6I	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-9I	4	0.500	0.000	1.176	0.500	0.500	2.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Molybdenum, Total	ug/L	MW-1I	8	93.000	7.850	0.670	87.742	98.258	100.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-1D	Boron, total ug/L
10/11/2023	417
4/9/2024	317
10/15/2024	281
4/22/2025	224
SORTED	224
	281
	317
	417
Q1	252.5
Q3	367
IQR	114.5
MEAN	309.75
MEDIAN	299
N	4
GWPS	4000
S	81.106412
t	2.353
LCL (MEAN)	214.328
LCL (MEDIAN)	**203.578**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-2D	Lithium, total ug/L		Barium, total ug/L
10/10/2023	34.7		61.8
4/5/2024	34.5		68.9
10/7/2024	29.6		70
4/14/2025	10	1/2 ND	77.8
SORTED	10		61.8
	29.6		68.9
	34.5		70
	34.7		77.8
Q1	19.8		65.35
Q3	34.6		73.9
IQR	14.8		8.55
MEAN	27.2		69.625
MEDIAN	32.05		69.45
N	4		4
GWPS	40		2000
S	11.706693		6.550509
t	2.353		2.353
LCL (MEAN)	13.427		61.918
LCL (MEDIAN)	**18.277**		**61.743**
DETERMINATION (LCL MEAN)	**BELOW GWPS**		**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**		**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

Molybdenum, total
ug/L
47.8
42.7
34.3
29.3
29.3
34.3
42.7
47.8
31.8
45.25
13.45
38.525
38.5
4
100
8.294727
2.353
28.766
28.741
BELOW GWPS
BELOW GWPS

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-6D	Boron, total ug/L
10/10/2023	1840
4/4/2024	1520
10/2/2024	1420
4/10/2025	1090
SORTED	1090
	1420
	1520
	1840
Q1	1255
Q3	1680
IQR	425
MEAN	1467.5
MEDIAN	1470
N	4
GWPS	4000
S	308.909372
t	2.353
LCL (MEAN)	1104.068
LCL (MEDIAN)	**1106.568**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-10D	Barium, total ug/L
10/10/2023	124
4/3/2024	93
10/9/2024	73
4/8/2025	63.9
SORTED	63.9
	73
	93
	124
Q1	68.45
Q3	108.5
IQR	40.05
MEAN	88.475
MEDIAN	83
N	4
GWPS	2000
S	26.620215
t	2.353
LCL (MEAN)	57.156
LCL (MEDIAN)	**51.681**
DETERMINATION (LCL MEAN)	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-11D	Molybdenum, total ug/L	Boron, total ug/L
10/9/2023	133	917
4/9/2024	125	620
10/15/2024	121	592
4/18/2025	119	510
SORTED	119	510
	121	592
	125	620
	133	917
Q1	120	551
Q3	129	768.5
IQR	9	217.5
MEAN	124.5	659.75
MEDIAN	123	606
N	4	4
GWPS	100	4000
S	6.191392	177.738338
t	2.353	2.353
LCL (MEAN)	117.216	450.641
LCL (MEDIAN)	**115.716**	**396.891**
DETERMINATION (LCL MEAN)	**EXCEEDS GWPS**	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**EXCEEDS GWPS**	**BELOW GWPS**

MEAN / MEDIAN CALCULATIONS
BACKUP DOCUMENTATION

MW-12D	Molybdenum, total ug/L	Boron, total ug/L	Barium, total ug/L
10/17/2023	199	1400	54.1
4/16/2024	188	1240	55.3
10/1/2024	177	1170	56.3
4/17/2025	170	919	64
SORTED	170	919	54.1
	177	1170	55.3
	188	1240	56.3
	199	1400	64
Q1	173.5	1044.5	54.7
Q3	193.5	1320	60.15
IQR	20	275.5	5.45
MEAN	183.5	1182.25	57.425
MEDIAN	182.5	1205	55.8
N	4	4	4
GWPS	100	4000	2000
S	12.714821	200.167222	4.474651
t	2.353	2.353	2.353
LCL (MEAN)	168.541	946.753	52.161
LCL (MEDIAN)	**167.541**	**969.503**	**50.536**
DETERMINATION (LCL MEAN)	**EXCEEDS GWPS**	**BELOW GWPS**	**BELOW GWPS**
DETERMINATION (LCL MEDIAN)	**EXCEEDS GWPS**	**BELOW GWPS**	**BELOW GWPS**

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Antimony, Total	ug/L	MW-10D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-26D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-4D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Arsenic, Total	ug/L	MW-10D	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-11D	4	4.600	0.245	1.176	4.312	4.888	10.000		
Arsenic, Total	ug/L	MW-12D	4	3.050	0.173	1.176	2.846	3.254	10.000		
Arsenic, Total	ug/L	MW-1D	4	2.125	0.403	1.176	1.651	2.599	10.000		
Arsenic, Total	ug/L	MW-26D	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-2D	4	4.425	0.263	1.176	4.116	4.734	10.000		
Arsenic, Total	ug/L	MW-3D	4	5.400	0.408	1.176	4.920	5.880	10.000		
Arsenic, Total	ug/L	MW-4D	4	6.350	1.694	1.176	4.357	8.343	10.000		
Arsenic, Total	ug/L	MW-6D	4	0.800	0.600	1.176	0.094	1.506	10.000		
Arsenic, Total	ug/L	MW-9D	4	0.500	0.000	1.176	0.500	0.500	10.000		
Barium, Total	ug/L	MW-10D	4	88.475	26.620	1.176	57.162	119.788	2000.000	dec	
Barium, Total	ug/L	MW-11D	4	63.200	4.334	1.176	58.102	68.298	2000.000		
Barium, Total	ug/L	MW-12D	4	57.425	4.475	1.176	52.162	62.688	2000.000	inc	
Barium, Total	ug/L	MW-1D	4	59.050	1.047	1.176	57.818	60.282	2000.000		
Barium, Total	ug/L	MW-26D	4	116.750	7.411	1.176	108.033	125.467	2000.000		
Barium, Total	ug/L	MW-2D	4	69.625	6.551	1.176	61.920	77.330	2000.000	inc	
Barium, Total	ug/L	MW-3D	4	92.350	6.159	1.176	85.105	99.595	2000.000		
Barium, Total	ug/L	MW-4D	4	75.875	10.340	1.176	63.713	88.037	2000.000		
Barium, Total	ug/L	MW-6D	4	63.725	3.920	1.176	59.114	68.336	2000.000		
Barium, Total	ug/L	MW-9D	4	126.750	6.702	1.176	118.867	134.633	2000.000		
Boron, Total	ug/L	MW-10D	4	519.500	217.655	1.176	263.475	775.525	4000.000		
Boron, Total	ug/L	MW-11D	4	659.750	177.738	1.176	450.678	868.822	4000.000	dec	
Boron, Total	ug/L	MW-12D	4	1182.250	200.167	1.176	946.796	1417.704	4000.000	dec	
Boron, Total	ug/L	MW-1D	4	309.750	81.106	1.176	214.345	405.155	4000.000	dec	
Boron, Total	ug/L	MW-26D	4	76.250	30.314	1.176	40.592	111.908	4000.000		
Boron, Total	ug/L	MW-2D	4	135.250	9.639	1.176	123.911	146.589	4000.000		
Boron, Total	ug/L	MW-3D	4	108.000	39.690	1.176	61.313	154.687	4000.000		
Boron, Total	ug/L	MW-4D	4	120.750	19.085	1.176	98.300	143.200	4000.000		
Boron, Total	ug/L	MW-6D	4	1467.500	308.909	1.176	1104.133	1830.867	4000.000	dec	
Boron, Total	ug/L	MW-9D	4	50.000	0.000	1.176	50.000	50.000	4000.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cobalt, Total	ug/L	MW-10D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-12D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-1D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-26D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-3D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-6D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-9D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Fluoride	mg/L	MW-10D	4	0.153	0.019	1.176	0.130	0.175	4.000		
Fluoride	mg/L	MW-11D	4	0.300	0.032	1.176	0.263	0.337	4.000		
Fluoride	mg/L	MW-12D	4	0.240	0.026	1.176	0.210	0.270	4.000		
Fluoride	mg/L	MW-1D	4	0.375	0.041	1.176	0.327	0.423	4.000		
Fluoride	mg/L	MW-26D	4	0.050	0.000	1.176	0.050	0.050	4.000		
Fluoride	mg/L	MW-2D	4	0.315	0.021	1.176	0.291	0.339	4.000		
Fluoride	mg/L	MW-3D	4	0.203	0.017	1.176	0.182	0.223	4.000		
Fluoride	mg/L	MW-4D	4	0.285	0.031	1.176	0.248	0.322	4.000		
Fluoride	mg/L	MW-6D	4	0.175	0.017	1.176	0.155	0.195	4.000		
Fluoride	mg/L	MW-9D	4	0.063	0.025	1.176	0.033	0.092	4.000		
Lithium, Total	ug/L	MW-10D	4	51.875	5.913	1.176	44.920	58.830	40.000		**
Lithium, Total	ug/L	MW-11D	4	81.975	4.291	1.176	76.927	87.023	40.000		**
Lithium, Total	ug/L	MW-12D	4	75.900	5.076	1.176	69.929	81.871	40.000		**
Lithium, Total	ug/L	MW-1D	4	82.800	4.574	1.176	77.420	88.180	40.000		**
Lithium, Total	ug/L	MW-26D	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2D	4	27.200	11.707	1.176	13.430	40.970	40.000	dec	
Lithium, Total	ug/L	MW-3D	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4D	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-6D	4	72.425	3.944	1.176	67.786	77.064	40.000		**
Lithium, Total	ug/L	MW-9D	4	10.000	0.000	1.176	10.000	10.000	40.000		
Molybdenum, Total	ug/L	MW-10D	4	84.475	3.594	1.176	80.248	88.702	100.000		
Molybdenum, Total	ug/L	MW-11D	4	124.500	6.191	1.176	117.217	131.783	100.000	dec	**
Molybdenum, Total	ug/L	MW-12D	4	183.500	12.715	1.176	168.544	198.456	100.000	dec	**
Molybdenum, Total	ug/L	MW-1D	4	90.075	5.283	1.176	83.861	96.289	100.000		
Molybdenum, Total	ug/L	MW-26D	4	23.650	2.528	1.176	20.677	26.623	100.000		
Molybdenum, Total	ug/L	MW-2D	4	38.525	8.295	1.176	28.768	48.282	100.000	dec	
Molybdenum, Total	ug/L	MW-3D	4	11.875	1.515	1.176	10.093	13.657	100.000		
Molybdenum, Total	ug/L	MW-4D	4	7.875	3.350	1.176	3.934	11.816	100.000		
Molybdenum, Total	ug/L	MW-6D	4	200.250	10.813	1.176	187.531	212.969	100.000		**
Molybdenum, Total	ug/L	MW-9D	4	5.000	0.000	1.176	5.000	5.000	100.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Selenium, Total	ug/L	MW-10D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-12D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-26D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-4D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-9D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Total Radium	pCi/L	MW-10D	4	1.320	0.381	1.176	0.871	1.768	5.000		
Total Radium	pCi/L	MW-11D	4	1.282	0.444	1.176	0.760	1.804	5.000		
Total Radium	pCi/L	MW-12D	4	0.891	0.129	1.176	0.739	1.042	5.000		
Total Radium	pCi/L	MW-1D	4	1.493	0.353	1.176	1.077	1.908	5.000		
Total Radium	pCi/L	MW-26D	4	1.448	0.426	1.176	0.947	1.948	5.000		
Total Radium	pCi/L	MW-2D	4	1.495	0.261	1.176	1.187	1.803	5.000		
Total Radium	pCi/L	MW-3D	4	1.053	0.095	1.176	0.941	1.165	5.000		
Total Radium	pCi/L	MW-4D	4	1.189	0.317	1.176	0.817	1.562	5.000		
Total Radium	pCi/L	MW-6D	4	0.975	0.172	1.176	0.773	1.177	5.000		
Total Radium	pCi/L	MW-9D	4	1.460	0.429	1.176	0.955	1.965	5.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Beryllium, Total	ug/L	MW-10D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-11D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-12D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-1D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-26D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-2D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-3D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-4D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-6D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-9D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Cadmium, Total	ug/L	MW-10D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-11D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-12D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-1D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-26D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-2D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-3D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-4D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-6D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-9D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Chromium, Total	ug/L	MW-10D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-11D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-12D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-1D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-26D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-2D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-3D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-4D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-6D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-9D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Lead, Total	ug/L	MW-10D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-11D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-12D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-1D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-26D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-2D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-3D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-4D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-6D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-9D	4	5.000	0.000	1.176	5.000	5.000	15.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Mercury	ug/L	MW-10D	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-11D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-12D	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-1D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-26D	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-2D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-3D	4	0.100	0.000	1.176	0.100	0.100	2.000	
Mercury	ug/L	MW-4D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-6D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Mercury	ug/L	MW-9D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Thallium, Total	ug/L	MW-10D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-11D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-12D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-1D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-26D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-2D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-3D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-4D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-6D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-9D	4	0.500	0.000	1.176	0.500	0.500	2.000	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 5A: 95% LCL Compared to GWPS
Shallow Zone
West Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0012

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**4000**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4		5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-		-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through April 2025)	1	5.8	69.3736	0.2	100	2	10	5.8	0.1	10	20	2	10	1	1	1.78
MW-1S	April 2025	0.591	2.157	59.814	0.100	446.396	1.000	5.000	0.500	0.016	5.000	**54.747**	1.000	11.214	10.595	0.500	0.815
MW-2S	April 2025	0.500	4.205	108.008	0.100	318.727	1.000	5.000	0.500	0.164	5.000	14.09 29.40 (N=8; TREND) 23.404 (N=6)	1.000	5.590	1.243	0.500	0.766
MW-3S	April 2025	0.500	0.5	82.454	0.100	191.053	1.000	5.000	0.500	0.192	5.000	6.619	1.000	24.179	0.000	0.500	0.970
MW-4S	April 2025	0.500	1.737	32.906	0.100	0.000	1.000	5.000	0.500	0.230	5.000	0 12.407 (N=8) **44.054 (N=15)**	1.000	19.514 39.875 (N=8)	0.743	0.500	0.809
MW-6S	April 2025	0.581	0.5	39.357	0.100	995.473 3004.985 (N=8) 3338.896 (N=16)	1.000	5.000	0.500	0.181	5.000	22.339 **58.464 (N=8)**	1.000	81.829	7.003	0.500	0.663 (TREND) 0.599 (MED)
MW-7S	April 2025	2.186	0.5	31.417	0.100	1755.920	1.000	5.000	0.357	0.050	5.000	**51.259**	1.000	18.588 (TREND) 18.187 (MED)	15.682 (TREND) 15.281 (MED)	0.500	0.986
MW-8S	April 2025	0.500	0.665	83.940	0.100	620.072	1.000	5.000	0.500	0.135	5.000	15.424 31.524 (N=8) Not Evaluated Further	1.000	10.964	0.000	0.500	0.550
MW-9S	April 2025	0.500	2.616 2.221 (N=8)	102.372	0.100	1385.243 1560.853 (N=8)	1.000	5.000	0.500	0.189	5.000	33.85 **42.933 (N=8)**	1.000	63.037 89.270 (N=8) **102.265 (N=12)**	2.979	0.500	0.783
MW-10S	April 2025	2.164	0	65.056	0.100	**4858.586** (TREND) **4848.374** (MED)	1.000	5.000	0.128	0.137	5.000	**74.042**	1.000	44.804	0.000	0.500	1.185
MW-11S	April 2025	1.282	**43.112**	68.863	0.100	785.399	1.000	5.000	0.500	0.146	5.000	39.252 **70.616 (N=8)**	1.000	21.700	6.841	0.500	0.952
MW-12S	April 2025	1.374	0	113.513	0.100	3177.021 (TREND) **4206.645 (N=8)**	1.000	5.000	0.094	0.168	5.000	**96.877**	1.000	11.644	11.199	0.500	0.800
MW-26S	April 2025	0.500	0.5	33.839	0.100	3024.452 (TREND) 3099.345 (MED)	1.000	5.000	2.292 (TREND) 2.192 (MED)	0.268	5.000	**81.868**	0.100	**116.867**	0.500	0.500	0.748

Notes:
MCL - Maximum Contaminant Level based on National Primary Drinking Water Regulations
GWPS - Groundwater Protection Standard
LCL = Lower Confidence Limit
(TREND) = N=4 LCL result for data with trend, utilizing mean.
(MED) = Trend in data detected; LCL calculated utilizing median rather than mean.
Bold font with gray shading indicates 95% LCL of the mean of the last four measurements that is in exceedance of GWPS.
Bold font with green shading indicates 95% LCL of the mean of the last eight measurements that is in exceedance of GWPS.
Bold font with gold shading indicates 95% LCL of the mean based on a qualitative evaluation of dataset that may or may not have triggered a mean/LCL conflict but visually warranted evaluation of a larger dataset.
ug/L = micrograms per liter (ppb)
mg/L = milligrams per liter (ppm)
Std. Units = Standard Units
*USEPA'S *Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coal Combustion Residuals from Electric Utilities;* effective August 29, 2018 (page 36444).
Background prediction limits are re-calculated after each sampling event. If a background prediction limit value is utilized as the GWPS, the GWPS for the current summary may be different from previous events.
The 95% LCL statistic is based on the rolling set of the four most recent individual sample results for a parameter.
LCL calculations utilize 1/2 the median non-detect (ND) reporting limit (RL) from the full date range of non-detect sample results. If RL levels changed over time, the current calculated LCL value may be larger than the most recent four ND results.
DUMPStat summary table output limits the number of significant digits reported for a calculated LCL. An exceedingly small calculated LCL value (e.g. 0.00001 mg/L) may simply be reported as 0 in the output summary.
Reporting units of measure for certain constituents in DUMPStat output tables were changed from units of mg/L (ppm) to ug/L (ppb) beginning with November 2021 LCL analysis to allow for reporting of calculated LCLs to more significant digits.
Table updated to include April 2025 assessment sampling results.

Table 5B: 95% LCL Compared to GWPS
Intermediate Zone
West Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0012

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**4000**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4		5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-		-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through April 2025)	1	2	51.1548	0.2	100	2	10	1	0.1	10	20	2	10	1	1	2.0844
MW-1I	April 2025	0.500	0.500	42.434	0.100	322.256 (TREND) 318.244 (MED)	1.000	5.000	0.500	0.250	5.000	**73.911**	1.000	82.095	0.500	0.500	0.965
MW-2I	April 2025	0.500	0.500	67.753	0.100	155.809	1.000	5.000	0.500	0.261	5.000	13.301 (TREND) 17.699 (MED)	1.000	71.867	0.500	0.500	0.834
MW-3I	April 2025	0.500	0.500	51.948	0.100	59.754	1.000	5.000	0.500	0.329	5.000	10.000	1.000	37.709	0.500	0.500	0.658
MW-4I	April 2025	0.500	1.108	67.225	0.100	96.675	1.000	5.000	0.500	0.293	5.000	10.000	1.000	3.749	0.500	0.500	0.709
MW-6I	April 2025	0.500	0.500	71.938	0.100	960.896	1.000	5.000	0.331	0.237	5.000	**100.176**	1.000	**109.251**	0.500	0.500	1.406
MW-9I	April 2025	0.500	0.500	33.267	0.100	166.129	1.000	5.000	0.363	0.228	5.000	11.281	1.000	13.322	0.500	0.500	0.880
MW-10I	April 2025	0.500	0.500	39.125 (TREND) 40.273 (MED)	0.100	1161.299	1.000	5.000	0.500	0.230	5.000	**55.708**	0.100	**112.151**	0.500	0.500	1.375
MW-11I	April 2025	0.500	0.585	57.221	0.100	508.086 (TREND) 479.311 (MED)	1.000	5.000	0.500	0.384	5.000	**90.692**	1.000	**114.541**	0.500	0.500	0.820
MW-12I	April 2025	0.500	0.500	63.389 (TREND) 61.787 (MED)	0.100	841.464 (TREND) 720.329 (MED)	1.000	5.000	0.500	0.217	5.000	**111.599**	0.100	**140.287**	0.500	0.500	0.896
MW-26I	April 2025	0.500	0.500	59.232	0.100	53.669	1.000	5.000	0.500	0.373	5.000	10.000	0.100	29.301	0.500	0.500	0.553

Notes:
MCL - Maximum Contaminant Level based on National Primary Drinking Water Regulations
GWPS - Groundwater Protection Standard
LCL = Lower Confidence Limit
(TREND) = N=4 LCL result for data with trend, utilizing mean.
(MED) = Trend in data detected; LCL calculated utilizing median rather than mean.
Bold font with gray shading indicates 95% LCL of the mean of the last four measurements that is in exceedance of GWPS.
Bold font with green shading indicates 95% LCL of the mean of the last eight measurements that is in exceedance of GWPS.
Bold font with gold shading indicates 95% LCL of the mean based on a qualitative evaluation of dataset that may or may not have triggered a mean/LCL conflict but visually warranted evaluation of a larger dataset.
ug/L = micrograms per liter (ppb)
mg/L = milligrams per liter (ppm)
Std. Units = Standard Units
*USEPA'S *Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coal Combustion Residuals from Electric Utilities;* effective August 29, 2018 (page 36444).
Background prediction limits are re-calculated after each sampling event. If a background prediction limit value is utilized as the GWPS, the GWPS for the current summary may be different from previous events.
The 95% LCL statistic is based on the rolling set of the four most recent individual sample results for a parameter.
LCL calculations utilize 1/2 the median non-detect (ND) reporting limit (RL) from the full date range of non-detect sample results. If RL levels changed over time, the current calculated LCL value may be larger than the most recent four ND results.
DUMPStat summary table output limits the number of significant digits reported for a calculated LCL. An exceedingly small calculated LCL value (e.g. 0.00001 mg/L) may simply be reported as 0 in the output summary.
Reporting units of measure for certain constituents in DUMPStat output tables were changed from units of mg/L (ppm) to ug/L (ppb) beginning with November 2021 LCL analysis to allow for reporting of calculated LCLs to more significant digits.
Table updated to include April 2025 assessment sampling results.

Table 5C: 95% LCL Compared to GWPS
Deep Zone
West Ash Pond System
AES Indiana
Eagle Valley Generating Station, Martinsville, Indiana
Atlas Project No. 170AES0012

Sample ID	Through Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
		ug/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
	GWPS (greater of MCL/USEPA Amendment Level, or background PL)	**6**	**10**	**2000**	**4**	**4000**	**5**	**100**	**6**	**4**	**15**	**40**	**2**	**100**	**50**	**2**	**5**
	MCL	6	10	2000	4		5	100	-	4	15	-	2	-	50	2	5
	USEPA'S Amendments to the National Minimum Criteria*	-	-	-	-		-	-	6	-	15	40	-	100	-	-	-
	Prediction Limit (based on Federal Rule CCR background data through April 2025)	1	1.3	71.4673	0.2	100	2	10	1.2	0.12	10	20	2	10	1.6	1	1.95
MW-1D	April 2025	0.500	1.651	57.818	0.100	214.345 (TREND) 203.578 (MED)	1.000	5.000	0.500	0.327	5.000	**77.420**	1.000	83.861	0.500	0.500	1.077
MW-2D	April 2025	0.500	4.116	61.92 (TREND) 61.743 (MED)	0.100	123.911	1.000	5.000	0.500	0.291	5.000	13.43 (TREND) 18.277 (MED)	1.000	28.768 (TREND) 28.741 (MED)	0.500	0.500	1.187
MW-3D	April 2025	0.500	4.920	85.105	0.100	61.313	1.000	5.000	0.500	0.182	5.000	10.000	0.100	10.093	0.500	0.500	0.941
MW-4D	April 2025	0.500	4.357	63.713	0.100	98.300	1.000	5.000	0.500	0.248	5.000	10.000	1.000	3.934	0.500	0.500	0.817
MW-6D	April 2025	0.500	0.094	59.114	0.100	1104.133 (TREND) 1106.568 (MED)	1.000	5.000	0.500	0.155	5.000	**67.786**	1.000	**187.531**	0.500	0.500	0.773
MW-9D	April 2025	0.500	0.500	118.867	0.100	50.000	1.000	5.000	0.500	0.033	5.000	10.000	1.000	5.000	0.500	0.500	0.955
MW-10D	April 2025	0.500	0.500	57.162 (TREND) 51.681 (MED)	0.100	263.475	1.000	5.000	0.500	0.130	5.000	**44.920**	0.100	80.248	0.500	0.500	0.871
MW-11D	April 2025	0.500	4.312	58.102	0.100	450.678 (TREND) 396.891 (MED)	1.000	5.000	0.500	0.263	5.000	**76.927**	1.000	**117.217** (TREND) **115.716** (MED)	0.500	0.500	0.760
MW-12D	April 2025	0.500	2.846	52.162 (TREND) 50.536 (MED)	0.100	946.796 (TREND) 969.503 (MED)	1.000	5.000	0.500	0.210	5.000	**69.929**	0.100	**168.544** (TREND) **167.541** (MED)	0.500	0.500	0.739
MW-26D	April 2025	0.500	0.500	108.033	0.100	40.592	1.000	5.000	0.500	0.050	5.000	10.000	0.100	20.677	0.500	0.500	0.947

Notes:
MCL - Maximum Contaminant Level based on National Primary Drinking Water Regulations
GWPS - Groundwater Protection Standard
LCL = Lower Confidence Limit
(TREND) = N=4 LCL result for data with trend, utilizing mean.
(MED) = Trend in data detected; LCL calculated utilizing median rather than mean.
Bold font with gray shading indicates 95% LCL of the mean of the last four measurements that is in exceedance of GWPS.
Bold font with green shading indicates 95% LCL of the mean of the last eight measurements that is in exceedance of GWPS.
Bold font with gold shading indicates 95% LCL of the mean based on a qualitative evaluation of dataset that may or may not have triggered a mean/LCL conflict but visually warranted evaluation of a larger dataset.
ug/L = micrograms per liter (ppb)
mg/L = milligrams per liter (ppm)
Std. Units = Standard Units
*USEPA'S *Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coa*
Background prediction limits are re-calculated after each sampling event. If a background prediction limit value is utilized as the GWPS, the GWPS for the current summary may be different from previous events.
The 95% LCL statistic is based on the rolling set of the four most recent individual sample results for a parameter.
LCL calculations utilize 1/2 the median non-detect (ND) reporting limit (RL) from the full date range of non-detect sample results. If RL levels changed over time, the current calculated LCL value may be larger than the most recent four ND results.
DUMPStat summary table output limits the number of significant digits reported for a calculated LCL. An exceedingly small calculated LCL value (e.g. 0.00001 mg/L) may simply be reported as 0 in the output summary.
Reporting units of measure for certain constituents in DUMPStat output tables were changed from units of mg/L (ppm) to ug/L (ppb) beginning with November 2021 LCL analysis to allow for reporting of calculated LCLs to more significant digits.
Table updated to include April 2025 assessment sampling results.